

Datasheet for ABIN7555723

## KIAA0586 Protein (KIAA0586) (AA 1-1533) (His tag)



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### Overview

|                               |                                                 |
|-------------------------------|-------------------------------------------------|
| Quantity:                     | 1 mg                                            |
| Target:                       | KIAA0586                                        |
| Protein Characteristics:      | AA 1-1533                                       |
| Origin:                       | Human                                           |
| Source:                       | HEK-293 Cells                                   |
| Protein Type:                 | Recombinant                                     |
| Purification tag / Conjugate: | This KIAA0586 protein is labelled with His tag. |

### Product Details

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| Purpose:  | Custom-made recombinant KIAA0586 Protein expressed in mammalian cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Sequence: | <p>MPVKRLREVV SQNHGDHLVL LKDELPCVPP ALSANKRLPV GTGTSLNGTS RGSSDLTSAR</p> <p>NCYQPLENPN MVSESDFSKD VAVQVLPLDK IEENNKQKAN DIFISQYTMG QKDALRTVLK</p> <p>QKAQSMVPVK EVKVHLEDA GIEKDAVTQE TRISPSGIDS ATTVAAATAA AIATAAPLIK</p> <p>VQSDLEAKVN SVTELLSKLQ ETDKHLQRVT EQQTSIQRKQ EKLHCHDHEK QMNVFMEQHI</p> <p>RHLEKLQQQQ IDIQTHFISA ALKTSSFQPV SMPSSRAVEK YSVKPEHPNL GSCNPSLYNT</p> <p>FASKQAPLKE VEDTSFDKQK SPLETPAPRR FAPVPVSRDD ELSKRENLE EKENMEVSCH</p> <p>RGNVRLLEQI LNNNDLSTRK SESSNTTSLT RSKIGWTPEK TNRFPSCEEL ETTKVTMQKS</p> <p>DDVLHDLGQK EKETNSMVQP KESLSMLKLP DLPQNSVKLQ TTNTTRSVLK DAEKILRGVQ</p> <p>NNKKVLEENL EAIIRAKDGA AMYSLINALS TNREMSEKIR IRKTVDEWIK TISAEIQDEL</p> <p>SRTDYEQRKF DQKNQRTKKG QNMTKDIRTN TQDKTVNKSVP IPRKHSQKQI EEHFRNLPMR</p> <p>GMPASSLQKE RKEGLLKATT VIQDEDYMLQ VYGKPVYQGH RSTLKKGPYL RFNSPSPKSR</p> <p>PQRPKVIERV KGTKVKSIRT QTDFYATKPK KMDSKMKHSV PVLPHGDQQY LFSPSREMP</p> |

FSGTLEGLHI PMAILLGQTQ SNSDTMPPAG VIVSKPHPVT VTTSIPPSSR KVETGVKKPN  
IAIVEMKSEK KDPPQLTVQV LPSVDIDSIS NSSADVLSPS SSPKEASLPP VQTWIKTPEI  
MKVDEEEVKF PGTNFDEIID VIQEEKCE IPDSEPILEF NRSVKADSTK YNGPPFPVA  
STFQPTADIL DKVIERKETL ENSLIQWVEQ EIMSRIISGL FPVQQQIAPS ISVSVSETSE PLTSDIVEGT  
SSGALQLFVD AGVPVNSNVI KHFVNEALAE TIAVMLGDRE AKKQGPVATG VSGDASTNET  
YLPARVCTPL PTPQTPPCS PSSPAKECVL VKTPDSSPCD SDHDMAFPVK EICAEKGDDM  
PAIMLVNTPT VPTTTTPPA AAVFTPTLSD ISIDKLKVSS PELPKWGDG DLPLEENPN  
SPQEELHPRA IVMSVAKDEE PESMDFPAQP PPPEVPFMP FPAGTKAPSP SQMPGSDSST  
LESTLSVTVT ETETLDKPIS EGEILFSCGQ KLAPKILEDI GLYLTNLNDS LSSTLHDAVE  
MEDDPPSEGQ VIRMSHKKFH ADAILSFAKQ NQESAVSQA VYHSEDLNS VGELSEGQRP  
QLTAAENIL MGHSLYMQPP VTNTQSLDQQ CDPKPLSRQF DTVSGSIYED SCASHGPMSL  
GELELEPNSK LVLPTLLTA QENDVNLPVA AEDFSQYQLK QNQDVKQVEH KPSQSYLRVR  
NKSDIAPSQQ QVSPGDMVRT QIELNPYLTC VFSGGKAVPL SASQMPPAKM SVMPLPSVNLE  
DCSQSLSLST MQEDMESSGA DTF **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

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|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Specificity:     | If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Characteristics: | <p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p> |
| Purity:          | > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Grade:           | custom-made                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

## Target Details

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|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | KIAA0586                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Alternative Name: | KIAA0586 ( <a href="#">KIAA0586 Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Background:       | Protein TALPID3,FUNCTION: Required for ciliogenesis and sonic hedgehog/SHH signaling. Required for the centrosomal recruitment of RAB8A and for the targeting of centriole satellite proteins to centrosomes such as of PCM1. May play a role in early ciliogenesis in the disappearance of centriolar satellites that preceeds ciliary vesicle formation (PubMed:24421332). Involved in regulation of cell intracellular organization. Involved in regulation of cell polarity (By similarity). Required for asymmetrical localization of CEP120 to daughter centrioles (By similarity). {ECO:0000250 UniProtKB:E9PV87, ECO:0000250 UniProtKB:Q1G7G9, ECO:0000269 PubMed:24421332}. |
| Molecular Weight: | 169.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| UniProt:          | <a href="#">Q9BVV6</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

## Application Details

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|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though. |
| Restrictions:      | For Research Use only                                                                                                                                   |

## Handling

|                  |                                                                  |
|------------------|------------------------------------------------------------------|
| Format:          | Liquid                                                           |
| Buffer:          | The buffer composition is at the discretion of the manufacturer. |
| Handling Advice: | Avoid repeated freeze-thaw cycles.                               |
| Storage:         | -80 °C                                                           |
| Storage Comment: | Store at -80°C.                                                  |
| Expiry Date:     | 12 months                                                        |