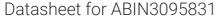
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KIAA0586 Protein (KIAA0586) (AA 1-1533) (His tag)



Image



Overview

Quantity:	1 mg
Target:	KIAA0586
Protein Characteristics:	AA 1-1533
Origin:	Human
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KIAA0586 protein is labelled with His tag.
Application:	Crystallization (Crys), ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Sequence:

MPVKRLREVV SQNHGDHLVL LKDELPCVPP ALSANKRLPV GTGTSLNGTS RGSSDLTSAR NCYQPLLENP MVSESDFSKD VAVQVLPLDK IEENNKQKAN DIFISQYTMG QKDALRTVLK QKAQSMPVFK EVKVHLLEDA GIEKDAVTQE TRISPSGIDS ATTVAAATAA AIATAAPLIK VQSDLEAKVN SVTELLSKLQ ETDKHLQRVT EQQTSIQRKQ EKLHCHDHEK QMNVFMEQHI RHLEKLQQQQ IDIQTHFISA ALKTSSFQPV SMPSSRAVEK YSVKPEHPNL GSCNPSLYNT FASKQAPLKE VEDTSFDKQK SPLETPAPRR FAPVPVSRDD ELSKRENLLE EKENMEVSCH RGNVRLLEQI LNNNDSLTRK SESSNTTSLT RSKIGWTPEK TNRFPSCEEL ETTKVTMQKS DDVLHDLGQK EKETNSMVQP KESLSMLKLP DLPQNSVKLQ TTNTTRSVLK DAEKILRGVQ NNKKVLEENL EAIIRAKDGA AMYSLINALS TNREMSEKIR IRKTVDEWIK TISAEIQDEL SRTDYEQKRF DQKNQRTKKG QNMTKDIRTN TQDKTVNKSV IPRKHSQKQI EEHFRNLPMR GMPASSLQKE RKEGLLKATT VIQDEDYMLQ VYGKPVYQGH RSTLKKGPYL RFNSPSPKSR PQRPKVIERV KGTKVKSIRT QTDFYATKPK KMDSKMKHSV PVLPHGDQQY LFSPSREMPT

FSGTLEGHLI PMAILLGQTQ SNSDTMPPAG VIVSKPHPVT VTTSIPPSSR KVETGVKKPN
IAIVEMKSEK KDPPQLTVQV LPSVDIDSIS NSSADVLSPL SSPKEASLPP VQTWIKTPEI
MKVDEEEVKF PGTNFDEIID VIQEEEKCDE IPDSEPILEF NRSVKADSTK YNGPPFPPVA
STFQPTADIL DKVIERKETL ENSLIQWVEQ EIMSRIISGL FPVQQQIAPS ISVSVSETSE PLTSDIVEGT
SSGALQLFVD AGVPVNSNVI KHFVNEALAE TIAVMLGDRE AKKQGPVATG VSGDASTNET
YLPARVCTPL PTPQPTPPCS PSSPAKECVL VKTPDSSPCD SDHDMAFPVK EICAEKGDDM
PAIMLVNTPT VTPTTTPPPA AAVFTPTLSD ISIDKLKVSS PELPKPWGDG DLPLEEENPN
SPQEELHPRA IVMSVAKDEE PESMDFPAQP PPPEPVPFMP FPAGTKAPSP SQMPGSDSST
LESTLSVTVT ETETLDKPIS EGEILFSCGQ KLAPKILEDI GLYLTNLNDS LSSTLHDAVE
MEDDPPSEGQ VIRMSHKKFH ADAILSFAKQ NQESAVSQQA VYHSEDLENS VGELSEGQRP
QLTAAAENIL MGHSLYMQPP VTNTQSLDQQ CDPKPLSRQF DTVSGSIYED SCASHGPMSL
GELELPNSK LVLPTTLLTA QENDVNLPVA AEDFSQYQLK QNQDVKQVEH KPSQSYLRVR
NKSDIAPSQQ QVSPGDMDRT QIELNPYLTC VFSGGKAVPL SASQMPPAKM SVMLPSVNLE
DCSQSLSLST MQEDMESSGA DTF

Sequence without tag. Tag location is at the discretion of the manufacturer. If you have a special request, please contact us.

Characteristics:

- Made in Germany from design to production by highly experienced protein experts.
- Human KIAA0586 Protein (raised in Insect Cells) purified by multi-step, protein-specific process to ensure crystallization grade.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made to order protein and will be made for the first time for your order. Our experts in the lab will ensure that you receive a correctly folded protein.

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.

In the unlikely event that the protein cannot be expressed or purified we do not charge anything (other companies might charge you for any performed steps in the expression process for custom-made proteins, e.g. fees might apply for the expression plasmid, the first expression experiments or purification optimization).

When you order this made-to-order protein you will only pay upon receival of the correctly folded protein. With no financial risk on your end you can rest assured that our experienced protein experts will do everything to make sure that you receive the protein you ordered. The concentration of our recombinant proteins is measured using the absorbance at 280nm. The protein's absorbance will be measured in several dilutions and is measured against its specific reference buffer.

Product Details

	The concentration of the protein is calculated using its specific absorption coefficient. We use
	the Expasy's protparam tool to determine the absorption coefficient of each protein.
Purification:	Two step purification of proteins expressed in baculovirus infected SF9 insect cells:
	 In a first purification step, the protein is purified from the cleared cell lysate using three different His-tag capture materials: high yield, EDTA resistant, or DTT resistant. Eluate fractions are analyzed by SDS-PAGE.
	Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot.
Purity:	>95 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.
Sterility:	0.22 µm filtered
Endotoxin Level:	Protein is endotoxin free.
Grade:	Crystallography grade
Target Details	
Target:	KIAA0586
Alternative Name:	KIAA0586 (KIAA0586 Products)
Background:	Required for ciliogenesis and sonic hedgehog/SHH signaling.
	{ECO:0000250 UniProtKB:E9PV87, ECO:0000250 UniProtKB:Q1G7G9}.
Molecular Weight:	170.3 kDa Including tag.
UniProt:	Q9BVV6
Application Details	
Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies
	as well. As the protein has not been tested for functional studies yet we cannot offer a gurantee
	though.
Comment:	In cases in which it is highly likely that the recombinant protein with the default tag will be
	insoluble our protein lab may suggest a higher molecular weight tag (e.g. GST-tag) instead to
	increase solubility. We will discuss all possible options with you in detail to assure that you
	receive your protein of interest.
Restrictions:	For Research Use only
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Handling

Format:	Liquid
Buffer:	100 mM NaCL, 20 mM Hepes, 10% glycerol. pH value 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:	Unlimited (if stored properly)

Images

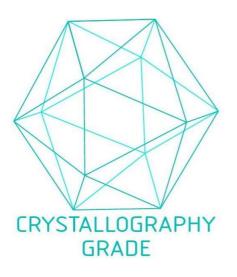


Image 1. "Crystallography Grade" protein due to multi-step, protein-specific purification process