

Datasheet for ABIN7563064  
**KIF5C Protein (AA 1-956) (His tag)**



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## Overview

|                               |  |
|-------------------------------|--|
| Quantity:                     | 1 mg   |
| Target:                       | KIF5C  |
| Protein Characteristics:      | AA 1-956                                     |
| Origin:                       | Mouse  |
| Source:                       | HEK-293 Cells                                |
| Protein Type:                 | Recombinant                                  |
| Purification tag / Conjugate: | This KIF5C protein is labelled with His tag. |
| Application:                  | SDS-PAGE (SDS), Western Blotting (WB)        |

## Product Details

|           |  |
|-----------|--|
| Purpose:  | Custom-made recombinat Kif5c Protein expressed in mammalien cells.   |
| Sequence: | <p>MADPAECSIK VMCRFRPLNE AEILRGDKFI PKFKGEETVV IGQGKPYVFD RVLPPNTTQE</p> <p>QVYNACAKQI VKDVLEGYNG TIFAYGQTSS GKTHTMEGKL HDPQLMGIIP RIAHDIFDHI</p> <p>YSMDENLEFH IKVSYFEIYL DKIRDLLDVS KTNLAVHEDK NRVPYVKGCT ERFVSSPEEV</p> <p>MDVIDEGKAN RHVAVTNMNE HSSRSHSIFL INIKQENVET EKKLSGKLYL VDLAGESEKVS</p> <p>KTGAEGAVLD EAKNINKSLS ALGNVISALA EGTKTHVPYR DSKMTRILQD SLGGNCRTTI</p> <p>VICCCSPSVFN EAETKSTLMF GQRAKTIKNT VSVNLELTAE EWKKKYEKEK EKNKALKSVL</p> <p>QHLEMELNRW RNGEAVPEDE QISAKDQKSL EPCDNTPIID NITPVVDGIS AEKEYDEEI</p> <p>TSLYRQLDDK DDEINQQSQL AEKLKQQMLD QDELLASTRR DYEKIQEELT RLQIENEA</p> <p>DEVKEVLQAL EELAVNYDQK SQEVEDKTRA NEQLTDELAQ KTTTLTTTQR ELSQLQELSN</p> <p>HQKKRATEIL NLLKDLGEI GGIIGTNDVK TLADVNGVIE EEFTMARLYI SKMKSEVKSL</p> <p>VNRSKQLESA QMDSNRKMNA SERELAACQL LISQHEAKIK SLTDYMQNME QKRRQLEESQ</p> |

DSLSEELAKL RAQEKMHVS FQDKEKEHLT RLQDAEEVKK ALEQQMESHR EAHQKQLSRL  
RDEIEEKQRI IDEIRDLNQK LQLEQERLSS DYNKLIKIEDQ EREVKLEKLL LLNDKREQAR  
EDLKGLEETV SRELQTLHNL RKLQVQDLTT RVKKSVELDS DDGGGSAAQK QKISFLENNL  
EQLTKVHKQL VRDNADLRCE LPKLEKRLRA TAERVKALES ALKEAKENAM RDRKRYQGEV  
DRIKEAVRAK NMARRAHSQA IAKPIRPGHY PASSPTAVHA VRGGGGGSSN STHYQK **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.**

|                  |   |
|------------------|---|
| 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, Western Blot |
|---------|---|

|        |             |
|--------|-------------|
| Grade: | custom-made |
|--------|-------------|

Target Details

|                   |  |
|-------------------|--|
| Target:           | KIF5C  |
| Alternative Name: | Kif5c ( <a href="#">KIF5C Products</a> )   |
| Background:       | Kinesin heavy chain isoform 5C (EC 3.6.4.-) (Kinesin heavy chain neuron-specific 2) (Kinesin-1),FUNCTION: Microtubule-associated force-producing protein that may play a role in organelle transport. Has ATPase activity (By similarity). Involved in synaptic transmission (By similarity). Mediates dendritic trafficking of mRNAs (PubMed:19608740). Required for anterograde axonal transportation of MAPK8IP3/JIP3 which is essential for MAPK8IP3/JIP3 function in axon |

### Target Details

|                   |  |
|-------------------|--|
|                   | elongation (By similarity). {ECO:0000250 UniProtKB:O60282, ECO:0000250 UniProtKB:P56536, ECO:0000269 PubMed:19608740}. |
| Molecular Weight: | 109.3 kDa  |
| UniProt:          | <a href="#">P28738</a>   |

### 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 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  |