

Datasheet for ABIN7554382  
**KIF5C Protein (AA 1-957) (His tag)**



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## Overview

Quantity:	1 mg
Target:	KIF5C
Protein Characteristics:	AA 1-957
Origin:	Human
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 mammalian cells.
Sequence:	<p>MADPAECSIK VMCRFRPLNE AEILRGDKFI PKFKGDETVV 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 EKNKTLKNVI</p> <p>QHLEMELNRW RGEAVPEDE QISAKDQKNL EPCDNTPIID NIAPVWAGIS TEEKEKYDEE</p> <p>ISSLYRQLDD KDDEINQQSQ LAEKLKQQML DQDELLASTR RDYEKIQEEL TRLQIENEAA</p> <p>KDEVKEVLQA LEELAVNYDQ KSQEVEDKTR ANEQLTDELA QKTTTLTTTQ RELSQLQELS</p> <p>NHQKKRATEI LNLLKDLGE IGGIIGTNDV KTLADVNGVI EEEFTMARLY ISKMKSEVKS</p> <p>LVNRSKQLES AQMDSNRKMN ASERELAACQ LLISQHEAKI KSLTDYMQNM EQKRRQLEES</p>

QDSLSEELAK LRAQEKMEHV SFQDKEKEHL TRLQDAEEMK KALEQQMESH REAHQKQLSR  
LRDEIEEKQK IIDEIRDLNQ KLQLEQEKLS SDYNKLIKIED QEREMKLEKL LLLNDKREQA  
REDLKGLEET VSRELQTLHN LRKLFVQDLT TRVKKSVELD NDDGGGSAAQ KQKISFLENN  
LEQLTKVHKQ LVRDNADLRC ELPKLEKRLR ATAERVKALE SALKEAKENA MRDRKRYQQE  
VDRIKEAVRA KNMARRAHSA QIAKPIRPGH YPASSPTAVH AIRGGGGSSS NSTHYQK **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>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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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 (PubMed:24812067). Mediates dendritic trafficking of mRNAs (By similarity). Required for anterograde axonal transportation of MAPK8IP3/JIP3 which is essential for MAPK8IP3/JIP3

### Target Details

	function in axon elongation (By similarity). {ECO:0000250 UniProtKB:P28738, ECO:0000250 UniProtKB:P56536, ECO:0000269 PubMed:24812067}.
Molecular Weight:	109.5 kDa
UniProt:	<a href="#">O60282</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