

Datasheet for ABIN7563140
KIF4A Protein (AA 1-1231) (His tag)



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Overview

Quantity:	1 mg
Target:	KIF4A
Protein Characteristics:	AA 1-1231
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KIF4A protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Kif4 Protein expressed in mammalian cells.
Sequence:	MKEEVKGIPV RVALRCRPLV SKEIKEGCQT CLSFVPGEPQ VVVGNDKSFT YDFVDPSTE QEEVNTAVA PLIKGVFKGY NATVLAYGQT GSGKTYSMGG AYTAEQEHDS AIGVIPRVIQ LLFKEINKKS DFEFTLKVS Y LEIYNEEILD LLCSSREKAT QINIREDPKE GIKIVGLTEK TVLVASDTV CLEQGNSRT VASTAMNSQS SRSHAFTIS IEQRKKNDKN SSFRSKLHLV DLAGSERQKK TKAEGDRLRE GININRGLLC LGNVISALGD DKKGNFVPYR DSKLTRLLQD SLGGNSHTLM IACVSPADSN LEETLNTLRY ADRARKIKNK PIINIDPQAA ELNHLKQQVQ QLQILLQAH GGTLPGDINV EPSNLQSLM EKNQSLVEEN EKLSRGLSEA AGQTAQMLER IILTEQANEK MNAKLEELRR HAACKVDLQK LVETLEDQEL KENIEIICNL QQVIAQLSDE AAACMTATID TAGAQTQVQ SSPDTSRSSD VFSTQHALRQ AQMSKELIEL NKALALKEAL AKKMTQNDNQ LQPIQFYQD NIKNLESEVL SLQREKEELV LELQTAKKDA NQAKLSERRR KRLQELEGQI ADLKKKLQEQ SKLLKLKEST EHTVSKLNQE IRMMKNQVRV LMRQMKEDAE KFRQWKQKQD KEVIQLKERD RKRQYELLKL ERNFQKQSNV LRRKTEEAAA ANKRLKDALQ KQKEVAEKRK

ETQSRGMEST AARMKNWLG N EIEVMVSTEE AKRHLNGLLE ERKILAQDVA QLKEKRESGE
NPPLKLRRT FSYDEIHGQD SGAEDSIKQ IESLETELEL RSAQIADLQQ KLLDAESED R
PKQRWESIAT ILEAKCAIKY LVGELVSSKI LVSKLESSLN QSKASCIDVQ KMLFEEQNH F
AKIETELKEE LVKVEQQHQE KVL YLLSQLQ QSQMTEKQLE ESVSEKEQQL LSTLKCQEEE
LRKMQEVECEQ NQQLQENSA IKQKL TLLQV ASKQKPHLTR NIFQSPDSSF EYIPPKPKPC
RIKEKCLEQS FAVEGLQYYS EPSVAEQDNE DSDDHADEEW IPTKLVKVSK KSIQGCSCKG
WCGNKQCGCR KQKSDCNVSC SCDPTKCRNR HQNQDNSDAI ELNQDSENSF KLEDPTVETS
GLSFFHPICA TPSSKILKEM CDADQVQLKQ PVFVSSSDHP ELKSIASESQ ENKAIGKKKK
RALASNTSFF SGCSPIQEES H

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.

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: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- 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 try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: KIF4A

Alternative Name: Kif4 (KIF4A Products)

Target Details

Background:	Chromosome-associated kinesin KIF4 (Chromokinesin),FUNCTION: Iron-sulfur (Fe-S) cluster binding motor protein that has a role in chromosome segregation during mitosis (By similarity). Required for mitotic chromosomal positioning and bipolar spindle stabilization. {ECO:0000250 UniProtKB:O95239, ECO:0000269 PubMed:7929562}.
Molecular Weight:	139.5 kDa
UniProt:	P33174

Application Details

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