

Datasheet for ABIN7563847
MKS1 Protein (AA 1-561) (His tag)



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Overview

Quantity:	1 mg
Target:	MKS1
Protein Characteristics:	AA 1-561
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MKS1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Mks1 Protein expressed in mammalian cells.
Sequence:	<p>MAEAVWSTDT GEAVYRSRDP VRNLRLRVHL QRITSSNFLH YQPAAQMGKD LIDLATFRPP</p> <p>QAASGHRPDE EEEEEVVIGW QEKLFSQFEV DLYQNESACQ SPLDHQYRQE ILKLENSGGR</p> <p>KNRRIFTYTD SDRYTDLEEY CQKITTSASE VPSFLAERMA NVRRRRQDRR GVEGSKLKSR</p> <p>IVTWPESEDF IKNNHAINTP LQTMYIMADL GPYGKLGKVK HEHVLCLIKV DSNQVITVKP</p> <p>DFTGIKGPYR IETEGEKQEH TSAWKYTIDN VSSLAQPEEE EREQRFVKDL YGRHKEYLSS</p> <p>LVGTDFFEMIA PGALRLFVNG EVVSAQGYEY DNLVHFFVE LPAANWSSPP FQLSGVTQA</p> <p>CATKSLGMDK VAYFSFPFTF EAFFLHEDES AESLPEWPVL YCKVLSLDFW QRYRVEGYGA</p> <p>VVLPATPGSH TLTVSTWRPM ELGLVAELRR FFIGGSLELE DPSYVRIPGT FKGERLSRFG</p> <p>FRTETTGTVT FRLHCLQQR AFMESNSLQK QMRSVLDRLE GFSQQSSTHN VLEAFRRARR</p> <p>RMQEARESLP QDLVSPTGTL T Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein</p>

could make another tag necessary. In case you have a special request, please contact us.

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, Western Blot

Grade:

custom-made

Target Details

Target:

MKS1

Alternative Name:

Mks1 ([MKS1 Products](#))

Background:

Tectonic-like complex member MKS1 (Meckel syndrome type 1 protein homolog),**FUNCTION:** Component of the tectonic-like complex, a complex localized at the transition zone of primary cilia and acting as a barrier that prevents diffusion of transmembrane proteins between the cilia and plasma membranes. Involved in centrosome migration to the apical cell surface during early ciliogenesis. Required for ciliary structure and function, including a role in regulating length and appropriate number through modulating centrosome duplication. Required for cell branching morphology. {ECO:0000269|PubMed:17185389, ECO:0000269|PubMed:19515853, ECO:0000269|PubMed:21725307, ECO:0000269|PubMed:22179047}.

Molecular Weight:

64.4 kDa

UniProt:

[Q5SW45](#)

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.
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Restrictions:	For Research Use only
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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