

Datasheet for ABIN7549465
MKS1 Protein (AA 1-559) (His tag)



[Go to Product page](#)

Overview

| | |
|-------------------------------|---|
| Quantity: | 1 mg |
| Target: | MKS1 |
| Protein Characteristics: | AA 1-559 |
| Origin: | Human |
| 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>MAETVWSTDT GEAVYRSRDP VRNLRRLRVHL QRITSSNFLH YQPAAELGKD LIDLATFRPQ</p> <p>PTASGHRPEE DEEEIVIGW QEKLSQFEV DLYQNETACQ SPLDYQYRQE ILKLENSGGK</p> <p>KNRRIFTYTD SDRYTNLEEH CQRMSTAASE VPSFLVERMA NVRRRRQDRR GMEGGILKSR</p> <p>IVTWEPSEEF VRNNHVINTP LQTMHIMADL GPYKKLGYKK YEHVLCTLKV DSNGVITVKP</p> <p>DFTGLKGPIR IETEGEKQEL WKYTIDNVSP HAQPEEEERE RRVFKDLYGR HKEYLSSLVG</p> <p>TDFEMTVPGA LRLFVNGEVV SAQGYEYDNL YVHFFVELPT AHWSSPAFQQ LSGVTQTCTT</p> <p>KSLAMDKVAH FSYPFTFEAF FLHEDESSDA LPEWPVLYCE VLSLDFWQRY RVEGYGAVVL</p> <p>PATPGSHTLT VSTWRPVELG TVAELRRFFI GGSLELEDLS YVRIPGSFKG ERLSRFGLRT</p> <p>ETTGTVTFR LCLQQSRAFM ESSSLQKRM SVLDRLEGFS QQSSIHNVLE AFRRARRRMQ</p> <p>EARESLPQDL VSPSGTLVS Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make</p> |

Product Details

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),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:26490104}.

Molecular Weight:

64.5 kDa

UniProt:

[Q9NXB0](#)

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 |