

Datasheet for ABIN7549488
MNS1 Protein (AA 1-495) (His tag)



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Overview

Quantity:	1 mg
Target:	MNS1
Protein Characteristics:	AA 1-495
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MNS1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant MNS1 Protein expressed in mammalian cells.
Sequence:	<p>MGSKRRNLSC SERHQKLVD E NYCKKLHVQA LKNVNSQIRN QMVQNENDNR VQRKQFLRLL QNEQFELDME EAIQKAEENK RLKELQLKQE EKLAMELAKL KHESLKDEKM RQQVRENSIE LRELEKKLKA AYMNKERAAQ IAEKDAIKYE QMKRDAEIAK TMMEEHKRII KEENAAEDKR NKAKAQYYLD LEKQLEEQEK KKQEAYEQLL KEKLMIDEIV RKIYEEDQLE KQQKLEKMNA MRRYIEEFQK EQALWRKKKR EEMEEENRKI IEFANMQQQR EEDRMAKVQE NEEKRLQLQN ALTQKLEEML RQREDLEQVR QELYQEEQAE IYKSKLKEEA EKCLRKQKEM KQDFEEQMAL KELVLQAAKE EENFRKTML AKFAEDDRIE LMNAQQRMK QLEHRRAVEK LIEERRQQFL ADKQRELEEW QLQRRRQGFI NAIIEERLK LLKEHATNLL GYLPKGVFKK EDDIDLLGEE FRKVYQRSE ICEEK 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.</p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

Product Details

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:

MNS1

Alternative Name:

MNS1 ([MNS1 Products](#))

Background:

Meiosis-specific nuclear structural protein 1,FUNCTION: Microtubule inner protein (MIP) part of the dynein-decorated doublet microtubules (DMTs) in cilia axoneme, which is required for motile cilia beating (PubMed:36191189). May play a role in the control of meiotic division and germ cell differentiation through regulation of pairing and recombination during meiosis. Required for sperm flagella assembly (By similarity). May play a role in the assembly and function of the outer dynein arm-docking complex (ODA-DC). ODA-DC mediates outer dynein arms (ODA) binding onto the axonemal doublet microtubules (PubMed:30148830). {ECO:0000250|UniProtKB:Q61884, ECO:0000269|PubMed:30148830, ECO:0000269|PubMed:36191189}.

Molecular Weight:

60.6 kDa

UniProt:

[Q8NEH6](#)

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
