

Datasheet for ABIN7549517  
**MOSPD2 Protein (AA 1-518) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	MOSPD2
Protein Characteristics:	AA 1-518
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MOSPD2 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant MOSPD2 Protein expressed in mammalian cells.
Sequence:	<p>MAENHAQNKA KLISERRRF EAEYVTDKSD KYDARDVERL QQDDNWVESY LSWRHNIVDE TLKMLDESFQ WRKEISVNDL NESSIPRWLL EIGVIYLHGY DKEGNKLFWI RVKYHVKDQK TILDKKKLLIA FWLERYAKRE NGKPVTVMFD LSETGINSID MDFVRFIINC FKVYYPKYLS KIVIFDMPWL MNAAFKIVKT WLGPEAVSLI KFTSKNEVQD YVSVEYLPPH MGGTDPFKYS YPLLVDDDFQ TPLCENGPIT SEDETSSKED IESDGKETLE TISNEEQTPL LKKINPTEST SKAEENEKVD SKVKAFKKPL SVFKGPLLHI SPAEELYFGS TESGEKTLI VLNTVTKNIV AFKVRTTAPE KYRVKPSNSS CDPGASVDIV VSPHGGLTVS AQDRFLIMAA EMEQSSGTGP AELTQFWKEV PRNKVMEHRL RCHTVESKPNLTLKDNFA NMSDKTSEDI CLQLSRLLS NRKLEDQVQR CIWFQQLLS LTMLLLAFVT SFFYLLYS <b>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.</b></p>

## Product Details

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**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.

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**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.

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

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**Grade:** custom-made

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## Target Details

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**Target:** MOSPD2

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**Alternative Name:** MOSPD2 ([MOSPD2 Products](#))

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**Background:** Motile sperm domain-containing protein 2,FUNCTION: Endoplasmic reticulum-anchored protein that mediates the formation of contact sites between the endoplasmic (ER) and endosomes, mitochondria or Golgi through interaction with conventional- and phosphorylated-FFAT-containing organelle-bound proteins (PubMed:29858488, PubMed:35389430, PubMed:33124732). In addition, forms endoplasmic reticulum (ER)-lipid droplets (LDs) contacts through a direct protein-membrane interaction and participates in LDs homeostasis (PubMed:35389430). The attachment mechanism involves an amphipathic helix that has an affinity for lipid packing defects present at the surface of LDs (PubMed:35389430). Promotes migration of primary monocytes and neutrophils, in response to various chemokines (PubMed:28137892). {ECO:0000269|PubMed:28137892, ECO:0000269|PubMed:29858488, ECO:0000269|PubMed:33124732, ECO:0000269|PubMed:35389430}.

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## Target Details

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Molecular Weight: 59.7 kDa

UniProt: [Q8NHP6](#)

## Application Details

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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

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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