

Datasheet for ABIN7554576
MFN1 Protein (AA 1-741) (His tag)



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Overview

Quantity:	1 mg
Target:	MFN1
Protein Characteristics:	AA 1-741
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MFN1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant MFN1 Protein expressed in mammalian cells.
Sequence:	MAEPVSPLKH FVLAKKAITA IFDQLLEFVT EGSHFVEATY KNPELDRIAT EDDLVEMQGY KDKLSIIGEV LSRRHMKVAF FGRTSSGKSS VINAMLWDKV LPSGIGHITN CFLSVEGTDG DKAYLMTEGS DEKKS VKTVN QLAHALHMDK DLKAGCLVRV FWPKAKCALL RDDLVLDSP GTDVTELDSD WIDKFCLDAD VFVLVANSES TLMNTEKHFF HKVNERLSKP NIFILNNRWD ASASEPEYME DVRRQHMERL LHFLVEELKV VNALEAQNRI FFVSAKEVLS ARKQKAQGMP ESGVALAEGF HARLQEFQNF EQIFEECISQ SAVKTKFEQH TIRAKQILAT VKNIMDSVNL AAEDKRHYSV EEREDQIDRL DFIRNQMNLL TLDVKKKIKE VTEEVANKVS CAMTDEICRL SVLVDFECSE FHPNPDVLKI YKSELNKHIE DGMGRNLADR CTDEVNALVL QTQQEIIENL KPLLPAIQD KLHTLIPCKK FDLSYNLNYH KLCSDFQEDI VFRFSLGWSS LVHRFLGPRN AQRVLLGLSE PIFQLPRSLA STPTAPTPA TPDNASQEEL MITLVTGLAS VTSRTSMGII IVGGVIWKTI GWKLLSVSLT MYGALYLYER LSWTTHAKER AFKQQFVNYA TEKLRMIVSS TSANCSHQVK QQIATTFARL CQQVDITQKQ LEEEIARLPK EIDQLEKIQN NSKLLRNKAV

Product Details

QLENELENFT KQFLPSSNEE S **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: MFN1

Alternative Name: MFN1 ([MFN1 Products](#))

Background: Mitofusin-1 (EC 3.6.5.-) (Fzo homolog) (Transmembrane GTPase MFN1),FUNCTION: Mitochondrial outer membrane GTPase that mediates mitochondrial clustering and fusion (PubMed:12475957, PubMed:12759376, PubMed:27920125, PubMed:28114303). Membrane clustering requires GTPase activity (PubMed:27920125). It may involve a major rearrangement of the coiled coil domains (PubMed:27920125, PubMed:28114303). Mitochondria are highly dynamic organelles, and their morphology is determined by the equilibrium between mitochondrial fusion and fission events (PubMed:12475957, PubMed:12759376). Overexpression induces the formation of mitochondrial networks (in vitro) (PubMed:12759376).

Target Details

Has low GTPase activity (PubMed:27920125, PubMed:28114303).
{ECO:0000269|PubMed:12475957, ECO:0000269|PubMed:12759376,
ECO:0000269|PubMed:27920125, ECO:0000269|PubMed:28114303}.

Molecular Weight: 84.2 kDa

UniProt: [Q8IWA4](#)

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