

Recombinant Human MFN1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MFN1-4277H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MFN1 MS Standard C13 and N15-labeled recombinant protein (NP_284941) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is a mediator of mitochondrial fusion. This protein and mitofusin 2 are homologs of the Drosophila protein fuzzy onion (Fzo). They are mitochondrial membrane proteins that interact with each other to facilitate mitochondrial targeting.
Molecular Mass	84.2 kDa
AA Sequence	MAEPVSPLKHFVLAKKAITAIFDQLLEFVTEGSHFVEATYKNPELDRIATEDDLVEMQ GYKDKLSIIGEVLRRHMKVAFFGRSSGKSSVINAMLWDKVLPSGIGHITNCFLSVE GTDGDKAYLMTEGSDEKKS VKTVNQLAHALHMDKDLKAGCLVRVFWPKAKCALLR DDLVLVDSPGTDVTTELD SWIDKFCLDADVFVLVANSESTLMNTEKHFFHKVNRLS KPNIFILNNRWDASASEPEYMEDVRRQHMERCLHFLVEELKVVNALEAQNRIFFVSA KEVLSARKQKAQGMPEGVALAEGFHARLQEFQNF EQIFEECISQSAVKTKFEQHTI RAKQILATVKNIMDSVNLA AEDKRHYSVEEREDQIDRLDFIRNQMNLLTLDVKKKIKE VTEEVANKVSCAMTDEICRLSVLVDEF CSEFHPNPDVLKIYKSELNKHIEDGMGRNL ADRCTDEVNALVLQTQQEI IENLKPLL PAGIQDKLHTLIPCKKFDLSYNLNYHKLCSDF

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QEDIVFRFSLGWSSLVHRFLGPRNAQRVLLGLSEPIFQLPRSLASTPTAPTTPATPDN
 ASQEELMITLVTGLASVTSRTSMGIIIVGGVIWKTIGWKLLSVSLTMYGALYLYERLSW
 TTHAKERAFKQQFVNYATEKLRMIVSSTSANCSHQVKQQTATTTFARLCQQVDITQKQ
 LEEEIARLPKEIDQLEKIQNNSKLLRNKAVQLENELENFTKQFLPSSNEESTRTRPLE
 QKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name MFN1 mitofusin 1 [Homo sapiens (human)]

Official Symbol MFN1

Synonyms MFN1; mitofusin 1; mitofusin-1; FLJ20693; fzo homolog; transmembrane GTPase MFN1; putative transmembrane GTPase; mitochondrial transmembrane GTPase FZO-2; mitochondrial transmembrane GTPase Fzo-1; hfzo1; hfzo2; MGC41806; DKFZp762F247;

Gene ID 55669

mRNA Refseq NM_033540

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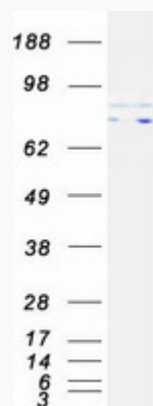
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Protein Refseq NP_284941

MIM 608506

UniProt ID Q8IWA4

SDS-PAGE



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