

Recombinant Full Length Human MFN1 Protein, GST-tagged

Cat. No. MFN1-6197HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MFN1 full-length ORF (AAH40557, 1 a.a. - 741 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	741 amino acids
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. [provided by RefSeq
Molecular Mass	107.25 kDa
AA Sequence	MAEPVSPLKHFVLAKKAITAIFDQLLEFVTEGSHFVEATYKNPELDRIATEDDLVEMQ GYKDKLSIIGEVLSSRRHMKVAFFGRTSSGKSSVINAMLWDKVLPSGIGHITNCFLSVE GTDGDKAYLMTEGSDEKKS VKTVNQLAHALHMDKDLKAGCLVRVFWPKAKCALLR DDLVLVDSPGTDVTTELDSWIDKFCLDADVFLVANSESTLMNTEKHFFHKVNERLS KPNIFILNNRWDASASEPEYMEDVRRQHMERCLHFLVEELKVVNALEAQNRIFVSA KEVLSARKQKAQGMPESGVALAEGFHARLQEFQNFQIFEECISQSAVKTKFEQHTI RAKQILATVKNIMDSVNLA AEDKRHYSVEEREDQIDRLDFIRNQMNLLTLDVKKKIKE VTEEVANKVSCAMTDEICRLSVLVDEFCEFHNPDPVLKIYKSELNKHIEDGMGRNL ADRCTDEVNALVLQTQQEIIENLKPLLPAQIQDKLHTLIPCKKFDLSYNLNYHKLCSDF

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QEDIVFRFSLGWSSLVHRFLGPRNAQRVLLGLSEPIFQLPRSLASTPTAPTTPATPDN
 ASQEELMITLVTLGLASVTSRTSMGIIIVGGVIWKTIGWKLLSVSLTMYGALYLYERLSW
 TTHAKERAFKQQFVNYATEKLRMIVSSTSANCSHQVKQQIATTFARLCQQVDITQKQ
 LEEEIARLPKEIDQLEKIQNNSKLLRNKAVQLENELENFTKQFLPSSNEES

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes Best use within three months from the date of receipt of this protein.

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name MFN1 mitofusin 1 [Homo sapiens]

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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Protein Refseq	NP_284941
MIM	608506
UniProt ID	Q8IWA4

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