

Recombinant Full Length Human MFN2 Protein, C-Flag-tagged

Cat. No. MFN2-1658HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human MFN2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a mitochondrial membrane protein that participates in mitochondrial fusion and contributes to the maintenance and operation of the mitochondrial network. This protein is involved in the regulation of vascular smooth muscle cell proliferation, and it may play a role in the pathophysiology of obesity. Mutations in this gene cause Charcot-Marie-Tooth disease type 2A2, and hereditary motor and sensory neuropathy VI, which are both disorders of the peripheral nervous system. Defects in this gene have also been associated with early-onset stroke. Two transcript variants encoding the same protein have been identified.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	86.2 kDa
AA Sequence	MSLLFSRCNSIVTVKKNKRHMAEVNASPLKHVFTAKKKINGIFEQLGAYIQESATFLE DTYRNAELDPVT TEEQVLDVKGYLSKVRGISEVLARRHMKVAFFGRTSNGKSTVIN AMLWDKVLPSGIGHTTNCFLRVEGTD GHEAFLLTEGSEEKRSAKTVNQLAHALHQD KQLHAGSLVSVMWPNSKCPLLKDDLVLMDSPGIDVTTELD SWIDKFCLDADVFLV ANSESTLMQTEKHFFHKVSERLSRPNIFILNNRWDASASEPEYMEEVRRQHMER CT

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SFLVDELGVVDRSQAGDRIFVSAKEVLNARIQKAQGMPEGGGALAEGFQVRMFEF
 QNFERRFEECIS QSAVKTKFEQHTVRAKQIAEAVRLIMDSLHMAAREQQVYCEEMR
 EERQDRLKFIDKQLELLAQDYKLRIK QITEEVERQVSTAMAEIRRLSVLVDDYQMD
 FHPSVVVLKVYKNELHRHIEEGLGRNMSDRCSITATNSL QTMQQDMIDGLKPLLPVS
 VRSQIDMLVPRQCFSLNYDLNCDKLCADFQEDIEFHFSLGWTMLVNRFLGPK NSRR
 ALMGYNDQVQRPIPLTPANPSMPPLPQGSALTQEEFMVSMVTGLASLTSRTSMGILV
 VGGVWKAUG WRLIALSFGLYGLLYVYERLTWTTKAKERAFAKRQFVEHASEKLQLV
 ISYTGSNCSHQVQQELSGTFAHLC
 QQVDVTRENLEQEIAAMNKKIEVLDSLQSKAKLLRNKAGWLDSELNMFTHQYLQPS
 RTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Transmembrane
Full Length	Full L.

GENE INFORMATION

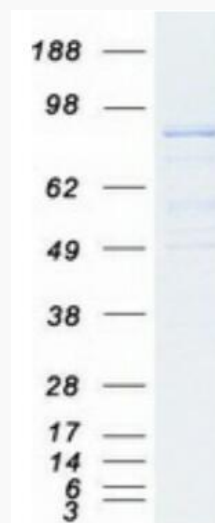
Gene Name MFN2 mitofusin 2 [Homo sapiens (human)]

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Official Symbol	MFN2
Synonyms	HSG; MARF; CMT2A; CPRP1; CMT2A2; HMSN6A; CMT2A2A; CMT2A2B
Gene ID	9927
mRNA Refseq	NM_014874.4
Protein Refseq	NP_055689.1
MIM	608507
UniProt ID	O95140



Coomassie blue staining of purified MFN2 protein.