

Product datasheet for TP302218

Mitofusin 2 (MFN2) (NM_014874) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human mitofusin 2 (MFN2), nuclear gene encoding mitochondrial protein, transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC202218 protein sequence Red =Cloning site Green =Tags(s)

MSLLFSRCNSIVTVKKNKRHMAEVNASPLKHFVTAKKKINGIFEQLGAYIQESATFLEDTYRNAELDPVT
TEEQVLVDVKGYSKVRGISEVLARRHMKVAFFGRTSNGKSTVINAMLWDKVLPSGIGHTTNCFLRVEGTD
GHEAFLTEGSEEKRSKTVNQLAHALHQDKQLHAGSLVSMWPNKCPDLLKDDLVLMDSPGIDVTTTEL
D
SWIDKFCLDADVFLVANSESTLMQTEKHFFHKVSRLSRPNIFILNNRWDASASEPEYMEEVRRQHMER
CTSFLVDELGVVDRSQAGDRIFVSAKEVLNARIQKAQGMPEGGALAEGFQVRMFEFQNFERRFEECIS
QSAVKTKFEQHTVRAKQIAEAVRLIMDSLHMAAREQQVYCEEMREERQDRCLKFIDKQLELLAQDYKLRK
QITEEVERQVSTAMAEIIRLSVLVDDYQMDFHPSVVLKVKYKNELEHRIIEGLGRNMSDRCSAITNSL
QTMQQDMIDGLKPLLPVSVRSQIDMLVPRQCFSNLNYDLNCDKLCADFQEDIEFHSLGWTMLVNRFLGP
K
NSRRALMGYNDQVQRPIPLTPANPSMPPLPQGSLTQEEFMVSMVTGLASLTSRTSMGILVGGVWVKAV
G
WRLIALSFGLYGLLYVYERLTWTTKAKERAFKRQFVEHASEKLQLVISYTGSNCSHQVQQELSGTFAHLC
QQVDVTRENLEQEIAAMNKKIEVLDSLQSKAKLLRNKAGWLDSELNMFTHQYLQPSR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

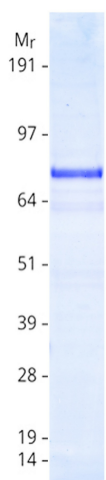
Tag:	C-Myc/DDK
Predicted MW:	86.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Bioactivity:	WB positive control (PMID: 29791782)



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Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_055689
Locus ID:	9927
UniProt ID:	O95140
RefSeq Size:	4685
Cytogenetics:	1p36.22
RefSeq ORF:	2271
Synonyms:	CMT2A; CMT2A2; CMT2A2A; CMT2A2B; CPRP1; HMSN6A; HSG; MARF
Summary:	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. [provided by RefSeq, Jul 2008]
Protein Families:	Transmembrane

Product images:



Coomassie blue staining of purified MFN2 protein (Cat# TP302218). The protein was produced from HEK293T cells transfected with MFN2 cDNA clone (Cat# [RC202218]) using MegaTran 2.0 (Cat# [TT210002]).