Recombinant Human MFN2, MYC/DDK-tagged

Cat. No. MFN2-36H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MFN2, fused with C-terminal MYC/DDK, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	86.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

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Gene Name	MFN2 mitofusin 2 [Homo sapiens]
Official Symbol	MFN2
Synonyms	MFN2; mitofusin 2; mitofusin-2; CMT2A2; CPRP1; KIAA0214; MARF; hyperplasia suppressor; transmembrane GTPase MFN2; mitochondrial assembly regulatory factor; HSG; CMT2A
Gene ID	9927
mRNA Refseq	NM_001127660
Protein Refseq	NP_001121132
MIM	608507
UniProt ID	O95140
Chromosome Location	1p36.22
Pathway	Factors involved in megakaryocyte development and platelet production; Hemostasis
Function	GTP binding; GTPase activity; protein binding; ubiquitin protein ligase binding

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