

Recombinant Human MFN2 Protein, His-tagged

Cat. No. MFN2-2437H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MFN2 Protein (Met1-Lys316) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Lys316
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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 39.4 kDa Accurate Molecular Mass: 39 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).

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Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

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

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MIM	608507
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UniProt ID	O95140
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