

Recombinant Human MFN1 protein, His & T7-tagged

Cat. No. MFN1-7949H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MFN1 aa. (Met1~Leu227 (Accession # Q8IWA4)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Met1~Leu227
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 29.1kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 5.6.
Applications	SDS-PAGE; WB; ELISA; IP.

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Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH ₂ O.

GENE INFORMATION

Gene Name	MFN1 mitofusin 1 [Homo sapiens (human)]
Official Symbol	MFN1
Synonyms	MFN1; mitofusin 1; hfzo1; hfzo2; mitofusin-1; fzo homolog; mitochondrial transmembrane GTPase FZO-2; mitochondrial transmembrane GTPase Fzo-1; putative transmembrane GTPase; transmembrane GTPase MFN1
Gene ID	55669
mRNA Refseq	NM_033540.2
Protein Refseq	NP_284941.2

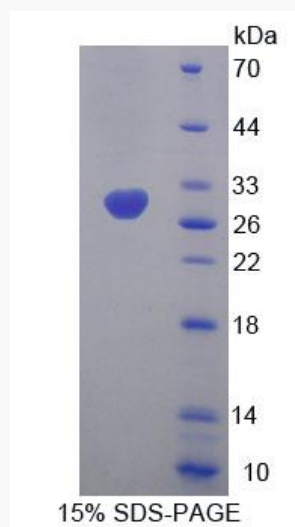
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UniProt ID

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