

Recombinant Mouse Mfn1 Protein, Myc/DDK-tagged

Cat. No. Mfn1-4057M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length mitofusin 1 (Mfn1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Mitochondrial outer membrane GTPase that mediates mitochondrial clustering and fusion. Membrane clustering requires GTPase activity. It may involve a major rearrangement of the coiled coil domains. Mitochondria are highly dynamic organelles, and their morphology is determined by the equilibrium between mitochondrial fusion and fission events. Overexpression induces the formation of mitochondrial networks (in vitro). Has low GTPase activity.
Molecular Mass	83.7 kDa
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 after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Mfn1 mitofusin 1 [*Mus musculus* (house mouse)]

Official Symbol Mfn1

Synonyms MFN1; mitofusin 1; mitofusin-1; transmembrane GTPase MFN1; HR2; mKIAA4032; D3Ert265e; 2310002F04Rik; 6330416C07Rik; KIAA4032

Gene ID 67414

mRNA Refseq NM_024200

Protein Refseq NP_077162

UniProt ID Q811U4

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