

Product datasheet for TP510400

Mfn1 (NM_024200) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse mitofusin 1 (Mfn1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR210400 protein sequence Red=Cloning site Green=Tags(s)

MAETVSPLKHFVLAKKAITAIFGQLLEFVTEGSHFVEATYRNPELDRIASEDDLVEIQGYRNKLAVIGEV
LSRRHMKVAFFGRTSSGKSSVINAMLWDKVLPSPGIGHTTNCFLSVEGTDGDKAYLMTEGSDEKKS VKTVN
QLAHALHMDKDLKAGCLVHVFWPKAKCALLRDDLVLDVSPGTDVTELDIWDKFLCDADVFLVANSES
TLMNTEKHFFHKVNERLSKPNIFILNRRWDASASEPEYMEDVRRQHMERCLHFLVEELKVVSPSEARNRI
FFVSAKEVLNSRKHKAQGMPEGGALAEFGQARLQEFQNFQTFEECISQSAVKTKFEQHTIRAKQILD
VKNILDSVNVAEEKRVYSMEEREDQIDRLDFIRNQMNLLTLDVKKKIKIETEEVANKVSCAMTDEICRL
SVLVD EFCSEFHPTPSVLKVKSELNKHIEDGMGRNLADRCTNEVNASILQSQQEIIENLKPLLPAQIQN
KLHTLIPCKKFDLSYDLNCHKLCSDFQEDIVFRFSLGWSSLVHRFLGSTNAQRVLLGLSEPIFQVPRSLA
STPTAPSNPAAPD NAAQEELMITLITGLASLTSRTSMGIIVGGVIWKT VGWKLISVTL SMYGALYLYER
LTWTRAKERAFKQQFVNYATEKLQMIVSFTSANC SHVQVQEMATTFARLCQQVDVTQKHLEEEIARLSK
EIDQLEKIQNNSKLLRNKAIQLESELENFSKQFLHPSSGES

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

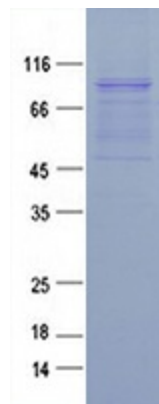
Tag:	C-MYC/DDK
Predicted MW:	83.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.



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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_077162
Locus ID:	67414
UniProt ID:	Q811U4
RefSeq Size:	4531
Cytogenetics:	3 15.75 cM
RefSeq ORF:	2226
Synonyms:	2310002F04Rik; 6330416C07Rik; D3Ertd265e; HR2; mKIAA4032
Summary:	Mitochondrial outer membrane GTPase that mediates mitochondrial clustering and fusion (PubMed:12527753, PubMed:23921378, PubMed:24513856, PubMed:15297672). Membrane clustering requires GTPase activity (By similarity). It may involve a major rearrangement of the coiled coil domains (PubMed:15297672). Mitochondria are highly dynamic organelles, and their morphology is determined by the equilibrium between mitochondrial fusion and fission events (PubMed:12527753). Overexpression induces the formation of mitochondrial networks (in vitro). Has low GTPase activity (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Purified recombinant protein Mfn1 was analyzed by SDS-PAGE gel and Coomassie Blue Staining.