

## Product datasheet for TP307184

### Mitofusin 1 (MFN1) (NM\_033540) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human mitofusin 1 (MFN1), nuclear gene encoding mitochondrial protein, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207184 protein sequence Red=Cloning site Green=Tags(s)

MAEPVSPLKHFVLAKKAITAIFDQLLEFVTEGSHFVEATYKNPELDRIATEDDLVEMQGYKDKLSIIGEV  
LSRRHMKVAFFGRTSSGKSSVINAMLWDKVLPSPGIGHITNCFLSVEGTDGDKAYLMTEGSDEKKSVKTVN  
QLAHALHMDKDLKAGCLVRVFWPKAKCALLRDDLVLDVSPGTDVTELDVSWIDKFCLDADVFLVANSES  
TLMNTEKHFFHKVNERLSKPNIFILNRRWDASASEPEYMEDVRRQHMERCLHFLVEELKVVNALEAQNRI  
FFVSAKEVLSARKQKAQGMPESGVALAEGFHARLQEFQNFQIFEECISQSAVKTKFEQHTIRAKQILAT  
VKNIMDSVNLAEDKRHYVEEREDQIDRLDFIRNQMNLLTDVKKKIKEVTEEVANKVSCAMTDEICRL  
SVLVDEFCESEFHPNPDVLKIYKSELNKHIEDGMGRNLADRCTDEVNALVLQTQQEIIENLKPPLPAGIQD  
KLHTLIPCKKFDLSYNLNYHKLCDSDFQEDIVFRFSLGWSSLVHRFLGPRNAQRVLLGLSEPIFQLPRSLA  
STPTAPTPATPDNASQEELMITLVTGLASVTSRTSMGIIIVGGVIWKTIGWKLLSVSLTMYGALYLYER  
LSWTTTHAKERAFKQQFVNYATEKLRMIVSSTSANCSHQVKQIATTFARLCQQVDITQKQLEEEIARLPK  
EIDQLEKIQNNSKLLRNKAVQLENELENFTKQFLPSSNEES

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

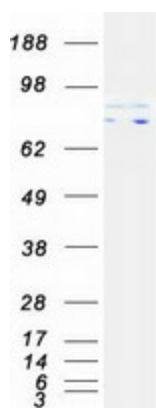
Tag:	C-Myc/DDK
Predicted MW:	84 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



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Storage:	Store at -80°C.
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:	<a href="#">NP_284941</a>
Locus ID:	55669
UniProt ID:	<a href="#">Q8IWA4</a>
RefSeq Size:	3527
Cytogenetics:	3q26.33
RefSeq ORF:	2223
Synonyms:	hfzo1; hfzo2
Summary:	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. [provided by RefSeq, Jul 2008]

### Product images:



Coomassie blue staining of purified MFN1 protein (Cat# TP307184). The protein was produced from HEK293T cells transfected with MFN1 cDNA clone (Cat# [RC207184]) using MegaTran 2.0 (Cat# [TT210002]).