

## Product datasheet for PH307184

### Mitofusin 1 (MFN1) (NM\_033540) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	MFN1 MS Standard C13 and N15-labeled recombinant protein (NP_284941)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207184
Predicted MW:	84.2 kDa
Protein Sequence:	>RC207184 protein sequence Red=Cloning site Green=Tags(s)

MAEPVSP LKHFVLA KKAITAIFDQLLEFVTEGSHFVEATYKNPELDRIATEDDLVEMQGYKDKLSIIGEV  
LSRRHMKVAFFGRTSSGKSSVINAMLWDKVLPSGIGHITNCFLSVEGTDGDKAYLMTEGSDEKKS VKTVN  
QLAHALHMDKDLKAGCLVRVFWPKAKCALLRDDLVLDSPGTDVTTTELDSWIDKFCLDADVFV LVANSE  
TLMNTEKHFFHKVNERLSKPNIFILNRRWDASASEPEYMEDVRRQHMERCLHFLVEELKVVNALEAQNRI  
FFVSAKEVL SARKQKAQGMPE SGVALAEGFHARLQEFQNFQIFEECISQSAVKTKFEQHTIRAKQILAT  
VKNIMDSVNLA AEDKRHYSVEEREDQIDRLDFIRNQMNLLTLDVKKKI KEVTEEVANKVSCAMTDEICRL  
SVLVDFCSEFHPNPDV LKIYKSELNKHIEDGMGRNLADRCTDEVNALVLQTQQEIIENLKPLL PAGIQD  
KLHTLIPCKKFDLSY NLNYHKLCSD FQEDIVFRFSLGWSSLVHRFLGPRNAQRVLLGLSEPIFQLPRSLA  
STPTAP TTPATPDNASQEELMITLVTGLASVTSRTSMGIIIVGGVIWKTIGWKLLSVSLTMYGALYLYER  
LSWTTHAKERAFKQQFVNYATEKLRMIVSSTSANCSHQVKQIATTFARLCQQVDITQKQLEEEIARLPK  
EIDQLEKI QNNSKLLRNKAVQLENELENFTKQFLPSSNEES

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_284941</u>

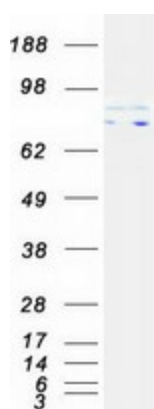


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RefSeq Size:	3527
RefSeq ORF:	2223
Synonyms:	hfzo1; hfzo2
Locus ID:	55669
UniProt ID:	<a href="#">Q8IWA4</a>
Cytogenetics:	3q26.33

**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]).