

Recombinant Human MFN2

Protein Product Manual

1. Product Basic Information

Product No.: REP07447

Protein Name: Mitofusin Mitofusin-Hyperplasia Suppressor (MFN2)

Aliases: HSG; MSL; MARF; CMT2A; CPRP1; CMT2A2; HMSN6A; CMT2A2A; CMT2A2B; mitofusin mitofusin-hyperplasia suppressor; transmembrane GTPase MFN2; mitochondrial assembly regulatory factor

UniProt ID: O95140

UniProt Link: <https://www.uniprot.org/uniprotkb/O95140/entry>

Species Source: Homo sapiens (Human)

Expression System: Mammalian cell

Protein Length: Partial (1-604aa)

Molecular Weight: 70.0 kDa

Protein Tag: C-terminal 10xHis-tagged

2. Amino Acid Sequence (1-604aa)

MSLLFSRCNSIVTVKKNKRHMAEVNASPLKHFVTAKKKINGIFEQLGAYIQESATFLE
DTYRNAELDPVTTEEQVLDVKGYSKVRGISEVLARRHMKVAFFGRTSNGKSTVIN
AMLWDKVLPSGIGHTTNCFLRVEGTDGHEAFLTEGSEEKRSAKTVNQLAHALHQD
KQLHAGSLVSVMWPNSKCPLLKDDLVLMDSPGIDVTTELDSWIDKFCLDADVFLV
ANSESTLMQTEKHFFHKVSERLSRPNIFILNNRWDASASEPEYMEEVRRQHMERCT
SFLVDELGVVDRSQAGDRIFVSAKEVLNARIQKAQGMPEGGALAEGFQVRMFE
FQNFERRFEECISQSAVKTKFEQHTVRAKQIAEAVRLIMDSLHMAAREQQVYCEEM
REERQDRLKFIDKQLELLAQDYKLRIKQITEEVERQVSTAMAEIIRRLSVLVDDYQM
DFHPSPVVLKVYKNELHRHIEEGLGRNMSDRCSITATNSLQTMQQDMIDGLKPLLP
VSVRSQIDMLVPRQCFSNLNYDLNCDKLCADFQEDIEFHFSLGWTMLVNRFGLPKNS
RRALMGYNDQVQRPIPLTPANPSMPPLPQGSLTQEEFMVSMV

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements)

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human MFN2 partial protein (1-604aa) expressed in Mammalian cell. The protein is with 10xHis tag at the C-terminus, which facilitates protein purification, detection and identification. MFN2, also known as HSG or MSL or MARF, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.