

Recombinant Full Length Mouse Mitofusin-1(Mfn1) Protein, His-Tagged

Cat. No. RFL9904MF **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Recombinant Full Length Mouse Mitofusin-1(Mfn1) Protein (Q811U4) (1-741aa), fused to N-terminal His tag, was expressed in E. coli.

Species

Mus musculus

Source

E.coli

ProteinLength

Full Length (1-741)

Form

Lyophilized powder

AA Sequence

MAETVSPLKHFVLAKKAITAIFGQLLEFVTEGSHFVEATYRNPELDRIASEDDLVEIQG
 Y RNKLAVIGEVLRRHMKVAFFGRTSSGKSSVINAMLWDKVLPSGIGHTTNCFLSVE
 GTDG DKAYLMTEGSDEKKS VKTVNQLAHALHMDKDLKAGCLVHVFWPKAKCALLR
 DDLVLDSP GTDVTTELDIWIDKFCLDADVFLVANSESTLMNTEKHHFFHKVNERLS
 KPNIFILNNRWD ASASEPEYMEDVRRQHMERCLHFLVEELKVVSPSEARNRIFVSA
 KEVLNSRKHKAQGMP EGGGALAEGFQARLQEFQNFQTFEECISQSAVKTKFEQH
 TIRAKQILD TVKNILDSVNV AAAEKRVYSMEEREDQIDRLDFIRNQMNLLTLDVKKKIK
 EVTEEVANKVSCAMTDEICRL SVLVDEFCSFHPTPSVLKVYKSELNKHIEDGMGR
 NLADRCTNEVNASILQSQQEIIENL KPLLPAIQNKLHTLIPCKKFDLSYDLNCHKLCS
 DFQEDIVFRFSLGWSSLVHRFLGSTN AQRVLLGLSEPIFQVPRSLASTPTAPSNPAA
 PDNAAQEELMITLITGLASLTSRTSMGII VGGVIWKTVGWKLISVTLSMYGALYLYE
 RLWTTRAKERAFKQQFVNYATEKLQMIVSF TSANCSHQVQQEMATTFARLCQQV

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DVTQKHLEEEIARLSKEIDQLEKIQNNSKLLRNKAV QLESELENFSKQFLHPSSGES

Purity Greater than 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Storage Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

Storage Buffer Tris/PBS-based buffer, 6% Trehalose, pH 8.0

Reconstitution We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

GENE INFORMATION

Gene Name Mfn1

Synonyms Mfn1; Mitofusin-1; Transmembrane GTPase MFN1

UniProt ID [Q811U4](https://www.uniprot.org/entry/Q811U4)

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