

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

Cat. No. RFL5313RF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Rat Mitofusin-1(Mfn1) Protein (Q8R4Z9) (1-741aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Full Length (1-741)
Form	Lyophilized powder
AA Sequence	<p>MAETVSPLKHFVLAKKAITAIFGQLLEFVTEGSHFVEATYRNPELDRIATEDDDLVEIQG Y RNKLAVIGEVLRRHMKVAFGRRTSSGKSSVINAMLWDKVLP SGIGHTTNCFLSVE GTDG DKAYLMTEGSDEKKS VKTVNQLAHALHMDKDLKAGCLVHVFWPKAKCALLR DDLVLVDSP GTDVTTELDIWIDKFCLDADVFLVANSESTLMNTEKHHFFHKVNERLS KPNIFILNNRWD ASASEPEYMEDVRRQHMERCLHFLVEELKVVSPLERNRIFVSA KEVLNSRMNKAQGMP EGGGALAE GFQARLQEFQNF EQTFEECISQSAVKT KFEQH TIRAKQILD TVKNILDSVNV AAAEKRVYSMEEREDQIDRLDFIRNQMNLLTMDVKKKI KEVTEEVANKVSCAMTDEICRL SVLVDEF CSEFHPTPSVLKVYKSELNKHIEDGMGR NLADRCTSEVNASILQSQQEIIENL KPLL PAGIQNKLHTLIPCKKFDLSYDLNCHKLCS DFQEDIVFRFSLGWSSLVHRFLGSTN AQRVLLGLSEPIFQVPRSLASTPTAPSNPAA PDNAAQEELMITLITGLASLTSRTSMGII VVGGVIWKT V GWKLISVTL SMYGALYLYE RLTWTTTRAKERAFKQQFVNYATEKLQMIVKF TSANCSHQVQQEMATTFARLCQQV</p>

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DVTQKHLEEEIARLSKEIDQLEKIQNNSKLLRNKAV QLERELENFSKQFLHPSSGES

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; Fzo1b; Mitofusin-1; Mitochondrial transmembrane GTPase FZO1B; Transmembrane GTPase MFN1

UniProt ID [Q8R4Z9](https://www.uniprot.org/entry/Q8R4Z9)

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