

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

Cat. No. RFL11889HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Recombinant Full Length Human Mitofusin-1(MFN1) Protein (Q8IWA4) (1-741aa), fused to N-terminal His tag, was expressed in E. coli.

Species

Human

Source

E.coli

ProteinLength

Full Length (1-741)

Form

Lyophilized powder

AA Sequence

MAEPVSPLKHFVLAKKAITAIFDQLLEFVTEGSHFVEATYKNPELDRIATEDDLVEMQ
 GY KDKLSIIGEVL SRRHMKVAFFGRTSSGKSSVINAMLWDKVLPSGIGHITNCFLSVE
 GTDG DKAYLMTEGSDEKKS VKTVNQLAHALHMDKDLKAGCLVRVFWPKAKCALLR
 DDLVLVDSP GTDVTTELDSWIDKFCLDADVFVLVANSESTLMNTEKHFFHKVNERLS
 KPNIFILNNRWD ASASEPEYMEDVRRQHMERCLHFLVEELKVVNALEAQNRIFFVSA
 KEVLSARKQKAQGMP ESGVALAEGFHARLQEFQNFQIFEECISQSAVKTKEQHTI
 RAKQILATVKNIMDSVNL AAEDKRHYSVEEREDQIDRLDFIRNQMNLTLTDVKKKIKE
 VTEEVANKVSCAMTDEICRL SVLVDFEFCSEFHPNPDLKIYKSELNKHIEDGMGRNL
 ADRCTDEVNALVLQTQQEIIENL KPLLPAIQDKLHTLIPCKKFDLSYNLNYHKLCSD
 FQEDIVFPFSLGWSSLVHRFLGPRN AQRVLLGLSEPIFQLPRSLASTPTAPTTPATP
 DNASQEELMITLVTGLASVTSRTSMGII IVGGVIWKTIGWKLLSVSLTMYGALYLYERL
 SWTTHAKERAFKQQFVNYATEKL RMIVSS TSANCSHQVKQQIATTFARLCQQVDIT

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

QKQLEEEIARLPKEIDQLEKIQNNSKLLRNKAV QLENELENFTKQFLPSSNEES

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; Fzo homolog; Transmembrane GTPase MFN1

UniProt ID [Q8IWA4](#)

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