

Recombinant Full Length Mouse Dynamin-Like 120 Kda Protein, Mitochondrial(Opa1) Protein, His-Tagged

Cat. No. RFL2438MF Lot. No. (See product label)

SPECIFICATION

Product Overview

Recombinant Full Length Mouse Dynamin-like 120 kDa protein, mitochondrial(Opa1) Protein (P58281) (195-960aa), fused to N-terminal His tag, was expressed in E. coli.

Species

Mus musculus

Source

E.coli

ProteinLength

Full Length of Mature Protein (195-960)

Form

Lyophilized powder

AA Sequence

ATDHGSESDKHRYKVS DKEKIDQLQEELLHTQLKYQRILERLEKENKELRKLVLQKD
 DKG IHHRKLLKSLIDMYSEVLDVLSDYDASYNTQDHLPRVVVVG DQSAGKTSVLEMI
 AQARIF PRGSGEMMTRSPVKVTLSEGP HHVALFKDSSREFDLTKEEDLAALRHEIEL
 RMRKNVKEG CTVSPETISLNVKGPGLQRMVLDLPGVINTVTSGMAPDTKETIFSIS
 KAYMQNPNAIIL CIQDGSVDAERSIVTDLVSQMDPHGRRTIFVLTKVDLAEKNVASPS
 RIQQIIEGKLFPMK ALGYFAVVTGKGNSSIESIAIREYEEFFQNSKLLKTSMLKAHQ
 VTTRNLSLAVSDCFWK MVRESVEQQADSFKATRFNLETWKNNYPRLRELD RNEL
 FEKAKNEILDEVISLSQVTPK HWEEILQQSLWERVSTHVIENIYLPAAQTMNSGTFNT
 TVDIKQKQWTDKQLPNKAVEVAW ETLQEEFSRFMTEPKGKEHDDIFDKLKEAVKEE
 SIKRHKWNDFAE DSLRVIQHNALED RS ISDKQQWDAAIYFMEEALQGRLKDTENAIE
 NMIGPDWKKRWMYWK NRTQEQC VHNETKNE LEKMLKVND EHPAYLASDEITTVR
 KNLESRGVEVDPSLIKDTWHQVYRRHFLKTALNHCN LCRRGFYYYYQRHFIDSELEC

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NDVVLFWRIQRMLAITANTLRQQLTNTTEVRRLEKNVKEVL EDFAEDGEKVKLLTGK
RVQLAEDLKKVREIQEKLDAFIEALHQEK

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

Applications 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 Opa1

Synonyms Opa1; Dynamin-like 120 kDa protein, mitochondrial; Large GTP-binding protein; LargeG; Optic atrophy protein 1 homolog

UniProt ID [P58281](#)

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