

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

Cat. No. RFL24154RF Lot. No. (See product label)

## SPECIFICATION

### Product Overview

Recombinant Full Length Rat Dynamin-like 120 kDa protein, mitochondrial(Opa1) Protein (Q2TA68) (195-960aa), fused to N-terminal His tag, was expressed in E. coli.

### Species

Rat

### Source

E.coli

### ProteinLength

Full Length of Mature Protein (195-960)

### Form

Lyophilized powder

### AA Sequence

ATDHGSESDKHRYKVS DKEKIDQLQEELLHTQLKYQRILERLEKENKELRKLVLQKD  
 DKG IHHRKLLKSLIDMYSEVLDVLSDYDASYNTQDHLPRVVVVG DQSAGKTSVLEMI  
 AQARIF PRGSGEMMTRSPVKVTLSEGPHHVALFKDSSREFDLTKEEDLAALRHEIEL  
 RMRKNVKEG CTVSPETISLNVKGPGLQRMVLVDLPGVINTVTSGMAPDTKETIFSIS  
 KAYMQNPNAIIL CIQDGSVDAERSIVTDLVSQMDPHGRRTIFVLTKVDLAEKNVASPS  
 RIQQIIEGKLFPMK ALGYFAVVTGKGNSSIESIAIREYEEFFQNSKLLKTSMLKAHQ  
 VTTRNLSLAVSDCFWK MVRESVEQQADSFKATRFNLETEWKNNYPRLRELD RNEL  
 FEKAKNEILDEVISLSQVTPK HWEEILQQSLWERVSTHVIENIYLPAAQTMNSGT FNT  
 TVDIKLKQWTDKQLPNKAVEVAW ETLQDEF SRFMTEPKGKEHDDIFDKLKEAVKEE  
 SIKRHKWNDFAE DSLRVIQHNALED RS ISDKQQWDAAIYFMEEALQGRLKDTENAIE  
 NMIGPDWKKRWIYWKNRTQEQC VHNKNE LEKMLKVNDEHPAYLASDEITTVRK  
 NLESRGVEVDPSLIKDTWHQVYRRHFLKTALNHCN LCRRGFYYYQRHFIDSELECN

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DVVLFWRIQRMLAITANTLRQQLTNTTEVRRLEKNVKEVL EDFAEDGEKKVLLTGKR  
VQLAEDLKKVREIQEKLDAFIEALHQEK

**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** Opa1

**Synonyms** Opa1; Dynamin-like 120 kDa protein, mitochondrial; Optic atrophy protein 1 homolog

**UniProt ID** [Q2TA68](https://www.uniprot.org/entry/Q2TA68)

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