

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

**Cat. No.** RFL34073GF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| <b>Product Overview</b> | Recombinant Full Length Chicken Dynamin-like 120 kDa protein, mitochondrial(OPA1) Protein (Q5F499) (212-977aa), fused to N-terminal His tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Species</b>          | Chicken                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | Full Length of Mature Protein (212-977)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>AA Sequence</b>      | ATDQGYDSKQYKKVSDKEKIDQLQEELLRTQLKYQRMLERLEKENKELRKLVLQR<br>DDKG IHQRKLKSLIDMYSEVLDILSDYDASYNTQDHLPRVVVVGDSAGKTSVLE<br>MIAQARIF PRGSGEMMTRSPVKVTLSEGP HHVALFKDSSREFDLTKEEDLAALRNEI<br>EIRMRNSVKEG CTVSTETISLSVRGPGLQRMVLVDLPGVISTVTSGMAPDTKETIFSI<br>SKAYMQNPNAIIL CIQDGSVDAERSIVTDLVSQMDPQGKRTIFVLTKVDLAEKNVASP<br>SRIQQIIEGKLFPMK ALGYFAVVTGKGNSSESIESIKEYEEFFQNSKLLKTSMLKAH<br>QVTTKNLSLAVSDCFWK MVRESVEQQADAFKATRFNLETWKN NYPRLRELD RNE<br>LFEKAKNEILDEVISLTQVTPK HWEEILQKTLWERVSTHVIENIYLPAAQTMNSGT FN<br>TTVDIKLKQWTDKQLPNKAVEVAW ETLQEEFSRFMTEQKGKEHDDIFDKLKQAVKE<br>ESIKRHKWNERAEDSLRVIQHNALED RS ISDKQQWDAAIH FMEETLQSRLKDTESVI<br>EDMVGPDWKKRWLYWISRTKEQNIRNETKNE LEKLIKCNEEHAAYLANDEVTTVRK |

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NLEARGITVDPCLIKDTWHQIYRRYFLKTALNHCN LCRRGFYYYQRHFVDSELECND  
IVLFWRIQRMLAITANTLRQQLTNTEVRRLEKNVKEVL EDFAEDNEKKVKLLTGKRV  
QLAEDLKKVREIQEKLEAFIEALHQEK

**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; RCJMB04\_1m16; Dynamin-like 120 kDa protein, mitochondrial; Optic atrophy protein 1 homolog

**UniProt ID** [Q5F499](#)

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