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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

OPA1 (Human) Recombinant Protein (P01)

Catalog Number: H00004976-P01

Regulation Status: For research use only (RUO)

Product Description: Human OPA1 full-length ORF (NP_056375.1, 1 a.a. - 960 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MWRLRRAAVACEVCQSLVKHSSGIGKSLPLQKLHLVS
RSIYHSHHPTLKLQRPQLRTSFQQFSSLTNLPLRKLKF
SPIKYGYQPRRNFWPARLATRLLKRLYLILGSAVGGGY
TAKKTFDQWKDMIPDLSEYKWIVPDIVWEIDEYIDFEKI
RKALPSSSEDLVKLAPDFDKIVESLSLLKDDFTSGSPEET
AFRATDRGSESDKHFRKVSDEKIDQLQEELLHTQLK
YQRILERLEKENKELRKLVLQKDDKGIHHRKLLKSLIDM
YSEVLDVLSDYDASYNTQDHLPRVVVVGDSAGKTSV
LEMIAQARIFPRGSGEMMTRSPVKVTLSEGP HHVALF
KDSSREFDLTKEEDLAALRHEIELMRKNVKEGCTVSP
ETISLNVKGPGLQRMVLDLPGVINTVTSGMAPDTKET
IFSISKAYMQNPNAIILCIQDGSVDAERSIVTDLVSQMD
PHGRRTIFVLTKVDLAEKNVASPSRIQQIIEGKLFPMKA
LGYFAVVTGKGNSSIEAIREYEEFFQNSKLLKTSM
LKAHQVTTNRNLSLAVSDCFWKMVRESVEQQADSFKA
TRFNLETEWKNNYPRLRELDNRNELFEKAKNEILDEVIS
LSQVTPKHWEEILQQSLWERVSTHVIENIYLPAAQTMN
SGTFNTTVDIKLKQWTDKQLPNKAVEVAWETLQEEFS
RFMTEPKGKEHDDIFDKLKEAVKEESIKRHKWNDFAE
DSLRIQHNALDRSISDKQQWDAAIYFMEEALQARLK
DTENAIENMVGPDWKKRWLYWKNRTQEQC VHNETH
NELEKMLKCNEEHPAYLASDEITTVRKNLESRGVEVDP
SLIKDTWHQVYRRHFLKTALNHCNLCRRGFYYYQRHF
VDSELECNDVVLFWRIQRMLAITANTLRQQLTNTVEVRR
LEKNVKEVLEDAEDGEKKIKLLTGKRVQLAEDLKKVR
EIQEKLDAFIEALHQEK

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 138

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product

page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 4976

Gene Symbol: OPA1

Gene Alias: FLJ12460, KIAA0567, MGM1, NPG, NTG, largeG

Gene Summary: This gene product is a nuclear-encoded mitochondrial protein with similarity to dynamin-related GTPases. It is a component of the mitochondrial network. Mutations in this gene have been associated with optic atrophy type 1, which is a dominantly inherited optic neuropathy resulting in progressive loss of visual acuity, leading in many cases to legal blindness. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]