

Recombinant Full Length Human OPTN Protein, C-Flag-tagged

Cat. No. OPTN-765HFL Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human OPTN Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	<p>This gene encodes the coiled-coil containing protein optineurin. Optineurin may play a role in normal-tension glaucoma and adult-onset primary open angle glaucoma. Optineurin interacts with adenovirus E3-14.7K protein and may utilize tumor necrosis factor-alpha or Fas-ligand pathways to mediate apoptosis, inflammation or vasoconstriction. Optineurin may also function in cellular morphogenesis and membrane trafficking, vesicle trafficking, and transcription activation through its interactions with the RAB8, huntingtin, and transcription factor IIIA proteins. Alternative splicing results in multiple transcript variants encoding the same protein.</p>
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	65.7 kDa
AA Sequence	<p>MSHQPLSCLTEKEDSPSESTGNGPPHLAHPNLDFTTPEELLQQMKELLTENHQLKE AMKLNNQAMKGRFE ELSAWTEKQKEERQFFEIQSKEAKERLMALSHENEKLKEEL GKLKGSERSSEDPDDSRLPRAEAEQEK DQLRTQVVRLQAEKADLLGIVSELQLK LNSSGSSSEDSFVEIRMAEGEAEGSVKEIKHSPGPTRTVSTGTA LSKYRSRSADGAK NYFEHEELTVSQQLLLCLREGNQKVERLEVALKEAKERVSDFEKKTSNRSEIETQTEG</p>

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STEKENDEEKGPETVGSEVEALNLQVTSLFKELQEAHTKLSEAELMKKRLQEKCQAL
 ERKNSAIPSELNE KQELVYTNKKLELQVESMLSEIKMEQAKTEDEKSKLTVLQMTHN
 KLLQEHNNAKLTIEELTRKESEKVDR AVLKELSEKLELAEKALASKQLQMDMKQTI
 AKQEEDLETMTILRAQMEVYCSDFAERAAREKIHEEKE QLALQLAVLLKENDAFED
 GGRQSLMEMQSRHGARTSDSDQQAYLVQRGAEDRDWRQQRNIPIHSCPCKGE
 VLPDIDTLQIHVMDCIITRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Full Length	Full L.

GENE INFORMATION

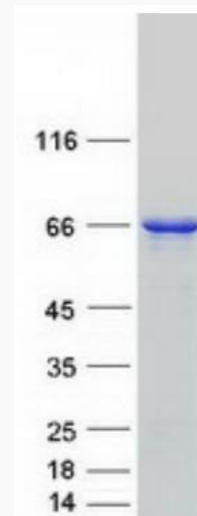
Gene Name	OPTN optineurin [Homo sapiens (human)]
Official Symbol	OPTN
Synonyms	NRP; FIP2; HIP7; HYPL; ALS12; GLC1E; TFIIIA-INTP

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Gene ID	10133
mRNA Refseq	NM_001008211.1
Protein Refseq	NP_001008212.1
MIM	602432
UniProt ID	Q96CV9



Coomassie blue staining of purified OPTN protein.

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