

## Product datasheet for TP302470

### Optineurin (OPTN) (NM\_001008211) Human Recombinant Protein

#### Product data:

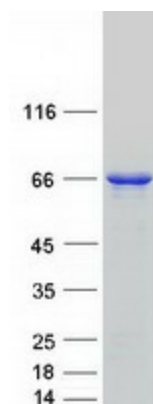
|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Recombinant Proteins  |
| Description:                          | Recombinant protein of human optineurin (OPTN), transcript variant 1, 20 µg   |
| Species:                              | Human   |
| Expression Host:                      | HEK293T   |
| Expression cDNA Clone or AA Sequence: | >RC202470 protein sequence<br>Red=Cloning site Green=Tags(s)  |
|                                       | <p>MSHQPLSCLTEKEDSPSESTGNGPPHLAHPNLDFTTPEELLQQMKELLTENHQLKEAMKLNQAMKGRFE<br/>ELSAWTEKQKEERQFFEIQSKEAKERLMALSHENEKLEELGKLGKSERSEDPTDDSRLPRAEAEQEK<br/>DQLRTQVVRLQAEKADLLGIVSELQLKLNSSGSSSEDSFVEIRMAEGEAEGSVKEIKHSPGPTRTVSTGTA<br/>LSKYRSRSDGAKNYFEHEELTVSLLLLCLREGNQKVERLEVALKEAKERVSDFEKKTNSRSEIETQTEG<br/>STEKENDEEKGPETVGSEVEALNLQVTSFLKELQEHTKLEAEMLMCKRLQEKQALERKNSAIPSELNE<br/>KQELVYTNKKLELQVESMLSEIKMEQAKTEDEKSKLTVLQMTMHNKLLQEHNNALKTIEELTRKESEKVD<br/>AVLKELSEKLELAEKALASKQLQMDMKQTIKQEEEDLETMTILRAQMEVYCSDFHAERAAREKIHEEKE<br/>QLALQLAVLLKENDAFEDGGRQSLMEMQSRHGARTSDSDQAYLVQGAEDRDWRQQRNIPIHSCPCKCGE<br/>VLPDIDTLQIHVMDCII</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| Tag:                                  | C-Myc/DDK   |
| Predicted MW:                         | 65.7 kDa  |
| Concentration:                        | >0.05 µg/µL as determined by microplate BCA method  |
| Purity:                               | > 80% as determined by SDS-PAGE and Coomassie blue staining   |
| Buffer:                               | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol  |
| Preparation:                          | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.  |
| Note:                                 | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.  |
| Storage:                              | Store at -80°C.   |



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|--------------------------|--|
| <b>Stability:</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.  |
| <b>RefSeq:</b>           | <a href="#">NP_001008212</a>   |
| <b>Locus ID:</b>         | 10133  |
| <b>UniProt ID:</b>       | <a href="#">Q96CV9</a>   |
| <b>RefSeq Size:</b>      | 3597   |
| <b>Cytogenetics:</b>     | 10p13  |
| <b>RefSeq ORF:</b>       | 1731   |
| <b>Synonyms:</b>         | ALS12; FIP2; GLC1E; HIP7; HYPL; NRP; TFIIIA-INTP   |
| <b>Summary:</b>          | 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. [provided by RefSeq, Jul 2008] |
| <b>Protein Families:</b> | Druggable Genome   |

### Product images:



Coomassie blue staining of purified OPTN protein (Cat# TP302470). The protein was produced from HEK293T cells transfected with OPTN cDNA clone (Cat# [RC202470]) using MegaTran 2.0 (Cat# [TT210002]).