

Product datasheet for PH302470

Optineurin (OPTN) (NM_001008211) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	OPTN MS Standard C13 and N15-labeled recombinant protein (NP_001008212)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202470
Predicted MW:	65.9 kDa
Protein Sequence:	>RC202470 protein sequence Red=Cloning site Green=Tags(s)

MSHQPLSCLTEKEDSPSESTGNPPLAHPNLDFTPEELLQQMKELLTENHQLKEAMKLNQAMKGRFE
ELSAWTEKQKEERQFFEIQSKEAKERLMALSHENEKLKEELGKLGKRSERSEDPTDDSRLPRAEAEQEK
DQLRTQVVRLQAEKADLLGIVSELQLKLNSSGSSSEDSFVEIRMAEGEAEGSVKEIKHSPGTRTVSTGTA
LSKYRSRSADGAKNYFEHEELTVSQQLLCLREGNQKVERLEVALKEAKERVSDFEKKTSNRSEIETQTEG
STEKENDEEKGPETVGSEVEALNLQVTSLFKELQEHTKLSEAEMLMKKRLQEKCCALERKNSAIPSELNE
KQELVYTNKKLELQVESMLSEIKMEQAKTEDEKSKLTVLQMTNKLKQEHNNALKTIEELTRKESEKVD
AVLKELSEKLELAEKALASKQLQMDQEMKQTIKQEEEDLEMTILRAQMEVYCSDFHAERAAREKIHEEKE
QLALQLAVLLKENDAFEDGGRQSLMEMQSRHGARTSDSDQQAAYLVQRGAEDRDWRQQRNIPIHSCPKCGE
VLPDIDTLQIHVMDCII

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_001008212</u>
RefSeq Size:	3597
RefSeq ORF:	1731



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Synonyms: ALS12; FIP2; GLC1E; HIP7; HYPL; NRP; TFIIIA-INTP

Locus ID: 10133

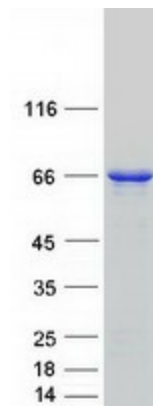
UniProt ID: [Q96CV9](#)

Cytogenetics: 10p13

Summary: 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]

Protein Families: 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]).