



Recombinant Mouse Optineurin (Optn)

Product Code	CSB-YP016363MO
Abbreviation	Optn
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q8K3K8
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	MSHQPLSCLT EKGDSPCETP GNGPSNMVHP SLDTFTPEEL LQQMKELLVE NHQLKEAMKL NNQAMKGRFE ELSAWTEKQK EERLLFEMQS KEVKERLKAL THENERLKEE LGKFKEKSEK PLEDLTGGYR YPRALEEEVE KLKTQVEQEV EHLKIQVMRL RAEKADLLGI VSELQLKLS GGSSEDSFVE IRMTEGETEG AMKEMKNCPT PTRTDPISL NCTEDARSCA EFEELTVSQL LLCLREGNQK VERLEVALRE AKERISDFEK KANGHSSTEK QTARRADREK EDKGQESVGS EVETLSIQVT SLFKELQEAH TKLSEAELMK KRLQEKQAL ERKNSATPSE LNEKQELVYS NKKLELQVES MRSEIKMEQA KTEEEKSRLA TLQATHNKL QEHNKALKTI EELTKQQA EK VDKMLLQELS EKLELAEQAL ASKQLQMDM KQTLAKQEED LETMAVLRAQ MEVYCSDFHA ERAAREKIHE EKEQLALQLA ILLKENNDIE EGGSRQSLME MQCRHGARTS DSDQQTYLFQ RGAEDRSWQH GQQPRSIPIH SCPKCGEVLP DIDTLQIHVM DCII
Source	Yeast
Target Names	Optn
Protein Names	Recommended name: Optineurin
Expression Region	1-584
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	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.



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.

Shelf Life

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