



# Recombinant Rat Optineurin (Optn)

<b>Product Code</b>	CSB-EP016363RA-B
<b>Abbreviation</b>	Optn
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q8R5M4
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MSHQPLSCLT EKGDSSCETP GNGPSNMVHP NLDFTFPEEL LQQMKELLVE NHQLKEAMKL NNQAMKGRFE ELSAWTEKQK EERQLFEIQS KEAKERLKAL SHENERLKEE LGKLKEKSER PFEDITGRCG FPRTDLEQEV EQLKRQVEQE VEHLKIQVRR LQAEKADLLG IVSELQLKLN SGGSSSEDSFV EIRMTEGEAE GAMKEMRNSA GPTRTDSISM GKCTEDARTC VEFEELTVSQ LLLCLREGNQ KVERLEIALR EAKERISDFE KKANGHSAIE TQTEGSTQKE EEDKDPESVG IEVETLNVQV ASLFKELQEA HTKLSEAELM KKRLQEKCQA LERKNSATPS ELNEKQELVY SNRKLELQVE SMRSEIKMEQ AKTEEEKSRL ATLQATHDKL LQEHNKALRT IEELTKQQAQ KVDKVQLQEL SEKLELAEQA LASKQLQMDL MKQTIKQEE DLETMAVLRA QMEVYCSDFH AERAAREKIH EEKEQLALQL AILLKENNDF EDGGSRQSLM EMQCRHGART SDSDQQAYLF QRGAEDMSWQ HGQQPRSIPI HSCPCKGGEVL PDIDTLQIHV MDCII
<b>Source</b>	E.coli
<b>Target Names</b>	Optn
<b>Protein Names</b>	Recommended name: Optineurin Alternative name(s): FIP-2-like protein
<b>Expression Region</b>	1-585
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</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.



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**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.

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**Shelf Life**

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