



# Recombinant Human Opticin (OPTC)

<b>Product Code</b>	CSB-EP016362HU
<b>Abbreviation</b>	OPTC
<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>	Q9UBM4
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	A SLPRKERKRR EEQMPREGDS FEVLPLRNDV LNPDNYGEVI DLSNYEELTD YGDQLPEVKV TSLAPATSIS PAKSTTAPGT PSSNPTMTRP TTAGLLLSSQ PNHGLPTCLV CVCLGSSVYC DDIDLEDIPP LPRRTAYLYA RFNRISRIRA EDFKGLTKLK RIDLSNNLIS SIDNDAFRL HALQDLILPE NQLEALPVLP SGIEFLDVRL NRLQSSGIQP AAFRAMEKLQ FLYLSDNLLD SIPGPLPLSL RSVHLQNNLI ETMQRDVFCD PEEHKHTRRQ LEDIRLDGNP INLSLFPSAY FCLPRLPIGR FT
<b>Source</b>	E.coli
<b>Target Names</b>	OPTC
<b>Protein Names</b>	Recommended name: Opticin Alternative name(s): Oculoglycan
<b>Expression Region</b>	20-332
<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 of Mature Protein
<b>Target Details</b>	Opticin belongs to class III of the small leucine-rich repeat protein (SLRP) family. Members of this family are typically associated with the extracellular matrix. Opticin is present in significant quantities in the vitreous of the eye and also localizes to the cornea, iris, ciliary body, optic nerve, choroid, retina, and fetal liver. Opticin may noncovalently bind collagen fibrils and regulate fibril morphology, spacing, and organization. The opticin gene is mapped to a region of chromosome 1 that is associated with the inherited eye diseases age-related macular degeneration (AMD) and posterior column ataxia with retinosa pigmentosa (AXPC1).
<b>Reconstitution</b>	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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