



# Recombinant Human Lengsin (LGSN)

<b>Product Code</b>	CSB-EP729216HU
<b>Abbreviation</b>	LGSN
<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>	Q5TDP6
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MNNEEDLLQE DSTRDEGNET EANSMTLRR TRKKVTKPYV CSTEVGETDM SNSNDCMRDS SQILTPPQLS SRMKHIRQAM AKNRLQFVRF EATDLHGVS SKTIPAHFFQ EKVSHGVCMP RGYLEVIPNP KDNEMNNIRA TCFNSDIVLM PELSTFRVLP WADR TARVIC DTFTVTGEPL LTSPRYIAKR QLSHLQASGF SLLSAFIYDF CIFGVPEILN SKIISFPALT FLNNHDQPFM QELVDGLYHT GANVESFSSS TRPGQMEISF LPEFGISSAD NAFTLRTGVK EVARKYNYIA SFFIETGFCD SGILSHSLWD VDRKKNMFCS TSGTEQLTIT GKKWLAGLLK HSAALSCLMA PSVSCRKRY S KDRKDLKKS V PTTWGYNDNS CIFNIKCHGE KGTRIEKLG SATANPYLVL AATVAAGLDG LHSSNEVLG PDESTDFYQV EPSEIPLKLE DALVALEEDQ CLRQALGETF IRYFVAMKKY ELENEEIAAE RNKFLEYFI
<b>Source</b>	E.coli
<b>Target Names</b>	LGSN
<b>Protein Names</b>	Recommended name: Lengsin Alternative name(s): Glutamate-ammonia ligase domain-containing protein 1 Lens glutamine synthase-like
<b>Expression Region</b>	1-509
<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 a protein with similarity to the GS I members of the glutamine synthetase superfamily. The encoded protein is referred to as a pseudo-glutamine synthetase because it has no glutamine synthesis activity and may function as a chaperone protein. This protein is localized to the lens and may be associated with cataract disease. Alternative splicing results in multiple transcript variants.
<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

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.