



Recombinant Human Lambda-crystallin homolog (CRYL1)

Product Code	CSB-EP896699HU-B
Abbreviation	CRYL1
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.	Q9Y2S2
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	ASSAAGCVV IVGSGVIGRS WAMLFASGGF QVKLYDIEQQ QIRNALENIR KEMKLEQAG SLKGSLSVEE QLSLISGCPN IQEAVEGAMH IQECVPEDLE LKKKIFAQLD SIIDDRVILS SSTSCLMPK LFAGLVHVKQ CIVAHPVNPP YYIPLVELVP HPETAPTTVD RTHALMKKIG QCPMRVQKEV AGFVLNRLQY AIISEAWRLV EEGIVSPSDL DLVMSEGLGM RYAFIGPLET MHLNAEGMLS YCDRYSEGIK HVLQTFGPIP EFSRATAEKV NQDMCMKVPD DPEHLAARRQ WRDECLMRLA KLKSQVQPQ
Source	E.coli
Target Names	CRYL1
Protein Names	Recommended name: Lambda-crystallin homolog EC= 1.1.1.45 Alternative name(s): L-gulonate 3-dehydrogenase Short name= Gul3DH
Expression Region	2-319
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 of Mature Protein
Target Details	The uronate cycle functions as an alternative glucose metabolic pathway, accounting for about 5% of daily glucose catabolism. The product of this gene catalyzes the dehydrogenation of L-gulonate into dehydro-L-gulonate in the uronate cycle. The enzyme requires NAD(H) as a coenzyme, and is inhibited by inorganic phosphate. A similar gene in the rabbit is thought to serve a structural role in the lens of the eye.
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

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.