



Recombinant Human Chitinase-3-like protein 1 (CHI3L1)

Product Code	CSB-EP005346HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P36222
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	YKLVCCYYTS WSQYREGDGS CFPDALDRFL CTHIIYSFAN ISNDHIDTWE WNDVTLYGML NTLKNRNP NL KTL LSVGGWN FGSQRFSKIA SNTQSRRTFI KSVPPFLRTH GFDGLDLAWL YPGRRDKQHF TTLIKEMKAE FIKEAQP GKK QLLLSAALSA GKVTIDSSYD IAKISQHLDF ISIMTYDFHG AWRGTTGHHS PLFRGQEDAS PDRFSNTDYA VGYMLRLGAP ASKLVMIPT FGRSFTLASS ETGVGAPISG PGIPGRFTKE AGTLAYYEIC DFLRGATVHR ILGQQVPYAT KGNQWVG YDD QESVKS KVQY LKDRQLAGAM VWALDLDDFQ GSFCGQDLRF PLTNAIKDAL AAT
Source	E.coli
Target Names	CHI3L1
Protein Names	Recommended name: Chitinase-3-like protein 1 Alternative name(s): 39 kDa synovial protein Cartilage glycoprotein 39 Short name= CGP-39 Short name= GP-39 Short name= hCGP-39 YKL-40
Expression Region	22-383
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	Chitinases catalyze the hydrolysis of chitin, which is an abundant glycopolymer found in insect exoskeletons and fungal cell walls. The glycoside hydrolase 18 family of chitinases includes eight human family members. This gene encodes a glycoprotein member of the glycosyl hydrolase 18 family. The protein lacks chitinase activity and is secreted by activated macrophages, chondrocytes, neutrophils and synovial cells. The protein is thought to play a role in the process of inflammation and tissue remodeling.
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.