



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

Product Code	CSB-EP744230SH
Abbreviation	CHI3L1
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.	Q6TMG6
Product Type	Recombinant Protein
Immunogen Species	Ovis aries (Sheep)
Purity	>85% (SDS-PAGE)
Sequence	YKLCYYTSW SQYREGDGSC FPD AIDPFLC THVIYSFANI SNNEIDTWEW NDVTLYDTLN TLKNRNPKLK TLLSVGGWNF GPERFSAIAS KTQSRRTFIK SVPPFLRTHG FDGLDLAWLY PGRDRKRLT TLVKEMKAEF IREAQAGTEQ LLLSAAVSAG KIAIDRGYDI AQISRHLDFI SLLTYDFHGA WRQTVGHHSP LFAGNEDASS RFSNADYAVS YMLRLGAPAN KLVMGIPTFG RSFTLASSKT DVGAPVSGPG VPGRFTKEKG ILAYYEICDF LHGATTHRFR DQQVPYATKG NQWVAYDDQE SVKNKARYLK NRQLAGAMVW ALDLD DFRGT FCGQNLT FPL TSAVKDVLAE V
Source	E.coli
Target Names	CHI3L1
Protein Names	Recommended name: Chitinase-3-like protein 1 Alternative name(s): Secretory glycoprotein of 40 kDa Signal-processing protein
Expression Region	1-361
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 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.