

Recombinant Human CHI3L1 protein, His & T7-tagged

Cat. No. CHI3L1-6990H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CHI3L1 aa. (Asn112~Lys377 (Accession # P36222)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Asn112~Lys377
Description	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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 33.0kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 9.3.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	CHI3L1 chitinase 3 like 1 [Homo sapiens (human)]
Official Symbol	CHI3L1
Synonyms	CHI3L1; chitinase 3 like 1; GP39; ASRT7; GP-39; YKL40; CGP-39; YKL-40; YYL-40; HC-gp39; HCGP-3P; hCGP-39; chitinase-3-like protein 1; 39 kDa synovial protein; cartilage glycoprotein 39; chitinase 3-like 1 (cartilage glycoprotein-39)
Gene ID	1116
mRNA Refseq	NM_001276.2
Protein Refseq	NP_001267.2

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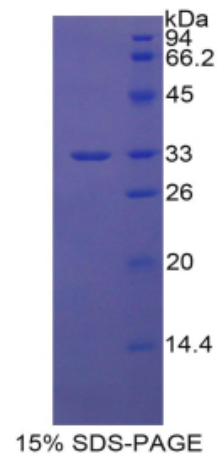
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UniProt ID

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SDS-PAGE

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