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**Product Data Sheet**


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Product Name: CHI3L1 Human  
 Cat. No.: GP21480  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	CHO (chinese hamster ovary cells).
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Chitinase 3-like 1; CHI3L1; Chitinase-3-like protein 1; 39 kDa synovial protein; Cartilage glycoprotein 39; CGP-39; GP-39; hCGP-39.		
Amino Acid Sequence	MGVKASQTGF VLVLLQCCS AYKLVCIYTS WSQYREGDGS CFPDALDRFL CTHIYSFAN ISNDHIDTWE WNDVTLYGML NTLKNRNP NL KTLISVGGWN FGSQRFSKIA SNTQSRRTFI KSVPPFLRTH GFDGLDLAWL YPGRRDKQHF TTLIKEMKAE FIKEAQP GKK QLLLSAALSA GKVTIDSSYD IAKISQHLDF ISIMTYDFHG AWRGTTGHHS PLFRGQEDAS PDRFSNTDYA VGYMLRLGAP ASKLVMGIPT FGRSFTLASS ETGVGAPISG PGIPGRFTKE AGTLAYYEIC DFLRGATVHR ILGQQVPYAT KGNQWVG YDD QESVKSKVQY LKDRQLAGAM VWALDLDDFQ GSF CGQDLRF PLTNAIKDAL AATKLGPEQK LISEEDLNSA VDH HHHHHH .		
Formulation	The CHI3L1 solution (0.25mg/ml) contains Phosphate-Buffered Saline (pH 7.4).		

**Introduction**

Chitinase 3-Like 1 (CHI3L1) catalyze the hydrolysis of chitin that is an abundant glycopolymer present in insect exoskeletons and fungal cell walls. The glycoside hydrolase 18 family of chitinases comprises 8 human family members. CHI3L1 belongs to the glycosyl hydrolase 18 family. CHI3L1 lacks chitinase activity and is secreted by activated macrophages, chondrocytes, neutrophils and synovial cells. CHI3L1 takes part in the process of inflammation and tissue remodeling.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

**Caution: Product has not been fully validated for medical applications. For research use only.**

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periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

CHI3L1 Human Recombinant produced in CHO is a single, glycosylated polypeptide chain containing 408 amino acids (1-383) and having a molecular mass of 45.5kDa. CHI3L1 is fused to a 25 amino acid myc-His-tag at C-terminus & purified by proprietary chromatographic techniques.

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