

Recombinant Full Length Human CHI3L1 Protein, His tagged

Cat. No. CHI3L1-03HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CHI3L1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Human
Source	Insect Cells
ProteinLength	1-383 aa
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	Liquid
Molecular Mass	41.4 kDa (370aa)
AA Sequence	YKLVCIYTSWSQYREGDGSCFPDALDRFLCTHIIYSFANISNDHIDTWEWNDVTLYG MLNTLKNRNP NLKTLLSVGGWNFGSQRFSKIASNTQSRRTFIKSVPPFLRTHGFDGL DLAWLYPGRGDKQHFTT LIKEMKAEFIKEA QPGKKQLLLSAALSAGKVTIDSSYDIKI SQHLDFISIMTYDFHGAWRGTTGHHSPLFRGQEDASPDRFSNTDYAVGYMLRLGAP

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

ASKLVMGIPTFGRSFTLASSETGVGAPISGPGIPGRFTKEAGTLAYYEICDFLRGATV
HRILGQQVPYATKGNQWVGYYDDQESVKSKVQYLKDRQLAGAMVWALDLDLDDFQGS
FCGQDLRFPLTNAIKDALAAT

Endotoxin	<1.0 EU/μg of the protein by the LAL method.
Purity	> 90% by SDS-PAGE
Applications	SDS-PAGE
Storage	Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.
Storage Buffer	Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol, 1 mM DTT
Concentration	0.25 mg/mL (determined by absorbance at 280nm)
Reference	1. Hakala BE., et al. (1993) J Biol Chem 268:25803-25810. 2. Eurich K., et al. (2009) World J Gastroenterol. 15:5249-5259.

GENE INFORMATION

Gene Name	CHI3L1 chitinase 3-like 1 (cartilage glycoprotein-39) [Homo sapiens (human)]
Official Symbol	CHI3L1
Synonyms	CHI3L1; chitinase 3-like 1 (cartilage glycoprotein-39); chitinase-3-like protein 1; GP39; YKL40; 39 kDa synovial protein; cartilage glycoprotein 39; ASRT7; GP-39; CGP-39; YKL-40; YYL-40; HC-gp39; HCGP-3P; hCGP-39; FLJ38139; DKFZp686N19119
Gene ID	1116

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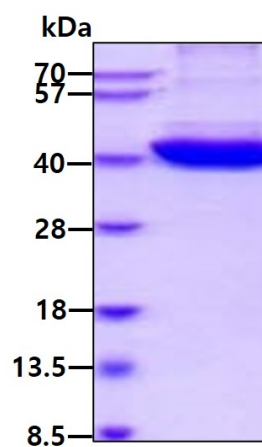
mRNA Refseq [NM_001276](#)

Protein Refseq [NP_001267](#)

MIM [601525](#)

UniProt ID [P36222](#)

SDS-PAGE



3 µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

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