

Active Recombinant Full Length Human CHI3L1 Protein, C-Flag-tagged

Cat. No. CHI3L1-347HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CHI3L1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Bio-activity	Binding assay
Molecular Mass	42.4 kDa
AA Sequence	MGVKASQTGFVVLVLLQCCSAYKLVCCYYTSWSQYREGDGSCFPDALDRFLCTHIY SFANISNDHIDTWE WNDVTLYGMLNTLKNRNP NLKTLLSVGGWNFGSQRF SKIASN TQSRRTFIKSVPPFLRTHGFDGLDLAWL YPGRRDKQHFTTLIKEMKAEFIKEAQP GK

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KQLLSAALSAGKVTIDSSYDIAKISQHLD FISIMTYDFHG AWRGTTGHH SPLFRGQE
 DASPD RFSNTDYAVGYMLRLGAPASKLVMGIPTFGRSFTLASSETGVGAPISG PGIP
 GRFTKEAGTLAYYEICDFLRGATVHRILGQQVPYATKGNQWVG YDDQESVKS KVQY
 LKDRQLAGAM
 VWALDLDDFQGSFCGQDLRFPLTNAIKDALAATTRTRPLEQKLISEEDLAANDILDYK
 DDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Secreted Protein
Full Length	Full L.

GENE INFORMATION

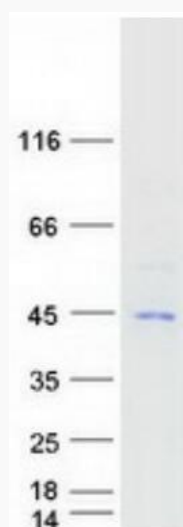
Gene Name	CHI3L1 chitinase 3 like 1 [Homo sapiens (human)]
Official Symbol	CHI3L1
Synonyms	GP39; ASRT7; GP-39; YK-40; YKL40; CGP-39; YKL-40; YYL-40; HC-gp39; HCGP-3P; hCGP-39

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Gene ID	1116
mRNA Refseq	NM_001276.4
Protein Refseq	NP_001267.2
MIM	601525
UniProt ID	P36222



Coomassie blue staining of purified CHI3L1 protein.