Recombinant Human CHI3L1 Protein, His-tagged

Cat. No. CHI3L1-181H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CHI3L1 protein with His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	383
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	Lyophilized
Molecular Mass	41 kDa
AA Sequence	MGVKASQTGFVVLVLLQCCSAYKLVCYYTSWSQYREGDGSCFPDALDRFLCTHIIY SFANISNDHIDTWEWNDVTLYGMLNTLKNRNPNLKTLLSVGGWNFGSQRFSKIASN TQSRRTFIKSVPPFLRTHGFDGLDLAWLYPGRRDKQHFTTLIKEMKAEFIKEAQPGK KQLLLSAALSAGKVTIDSSYDIAKISQHLDFISIMTYDFHGAWRGTTGHHSPLFRGQE DASPDRFSNTDYAVGYMLRLGAPASKLVMGIPTFGRSFTLASSETGVGAPISGPGIP

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	GRFTKEAGTLAYYEICDFLRGATVHRILGQQVPYATKGNQWVGYDDQESVKSKVQY LKDRQLAGAMVWALDLDDFQGSFCGQDLRFPLTNAIKDALAAT
Purity	> 98%
Applications	WB; ELISA; FACS; FC
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	At -20 centigrade.
Concentration	1 mg/mL
Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

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;

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

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