

Recombinant Human CHI3L1 Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. CHI3L1-044H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CHI3L1 MS Standard C13 and N15-labeled recombinant protein (NP_001267) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	42.6 kDa
AA Sequence	MGVKASQTGFVVLVLLQCCSAYKLVCYYTSWSQYREGDGSCFPDALDRFLCTHIIY SFANISNDHIDTWEWNDVTLYGMLNTLKNRNPNLKTLLSVGGWNFGSQRFASKIASN TQSRRTFIKSVPPFLRTHGFDGLDLAWLYPGRRDKQHFTTLIKEMKAEFIKEAQP GK KQLLLSAALSAGKVTIDSSYDIAKISQHLDFISIMTYDFHGAWRGTTGHHSP LFRGQE DASPDRFSNTDYAVGYMLRLGAPASKLVMGIPTFGRSFTLASSETGVGAPISGPGIP

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GRFTKEAGTLAYYEICDFLRGATVHRILGQQVPYATKGNQWVGYYDDQESVKSQVQY
LKDRQLAGAMVWALDLDFFQGSFCGQDLRFPLTNAIKDALAATTRTRPLEQKLISEE
DLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name CHI3L1 chitinase 3 like 1 [Homo sapiens (human)]

Official Symbol CHI3L1

Synonyms CHI3L1; chitinase 3 like 1; ASRT7; CGP-39; GP-39; GP39; HC-gp39; HCGP-3P; hCGP-39; YK-40; YKL-40; YKL40; YYL-40; 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

Protein Refseq NP_001267

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MIM 601525

UniProt ID P36222

SDS-PAGE



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