

Recombinant Human CHI3L2 Protein, His-tagged

Cat. No. CHI3L2-30H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CHI3L2, 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	27-390 aa
Description	CHI3L2, also known as chitinase-3-like protein 2, belongs to chitinase protein family. It is secreted by synovial fibroblasts, chondrocytes, and TGFb/IL4 stimulated monocyte derived macrophages. It has been proposed as a potential biomarker for osteoarthritis.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Molecular Mass	41.9kDa (372aa)40-57KDa (SDS-PAGE under reducing conditions)
AA Sequence	YKLCYFTNW SQDRQEPGKF TPENIDPFLC SHLIYSFASI ENNKVVIKDK SEVMYQQTIN SLKTKNPKLK ILLSIGGYLF GSKGFHPMVDSSTSRLFIN SIILFLRNHN FDGLDVSWIY PDQKENTHFT VLIHELAEAF QKDFTKSTKE RLLLTAGVSA GRQMIDNSYQ VEKLAKDLDFINLLSFDFHG SWEKPLITGH NSPLSKGWQD RGPSSYYNVE YAVGYWIHKG MPSEKVVMI PTYGHSTLA SAETTVGAPA SGPGAAGPITSSGFLAYYE ICQFLKGAKI TRLQDQQVPY AVKGNQWVG Y DDVKSMETKV QFLKLNLLGG AMIWSIDMDD FTGKSCNQGP

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YPLVQAVKRSLSLLEHHHH HH

Endotoxin < 1.0 EU per 1 microgram of protein (determined by LAL method)

Purity >90% by SDS – PAGE

Storage Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 0.5mg/ml (determined by Absorbance at 280nm)

GENE INFORMATION

Gene Name CHI3L2 chitinase 3-like 2 [Homo sapiens]

Official Symbol CHI3L2

Synonyms CHI3L2; chitinase 3-like 2; chitinase-3-like protein 2; YKL 39; YKL39; chondrocyte protein 39; YKL-39;

Gene ID 1117

mRNA Refseq NM_001025197

Protein Refseq NP_001020368

MIM 601526

UniProt ID Q15782

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Chromosome Location	1p13.3
Function	cation binding; chitinase activity; hydrolase activity;