

Recombinant Human CHI3L2, His-tagged

Cat. No. CHI3L2-7759H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Chitinase 3-Like Protein 2/CHI3L2 is produced with our mammalian expression system in human cells. The target protein is expressed with sequence (Tyr27-Leu390) of Human CHI3L2 fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	27-390 a.a.
Description	The protein encoded by this gene is similar to bacterial chitinases but lacks chitinase activity. The encoded protein is secreted and is involved in cartilage biogenesis. Several transcript variants encoding different isoforms have been found for this gene.
Form	Lyophilized from a 0.2 µM filtered solution of 20mM PB, 150mM NaCl, pH 7.4
AA Sequence	YKLVCYFTNWSQDRQEPGKFTPENIDPFLCSHLIYSFASIENNKVIIKDKSEVMLYQTI NSLKTK NPKLKILLSIGGYLFGSGKFHMPVDSSTSRLEFINSIILFLRNHNFDGLDVSW IYPDQKENTHFT VLIHELAEAFQKDFTKSTKERLLLTVGVSAQRQMIDNSYQVEKLAK DLDFINLLSFDFHGSWEKP LITGHNSPLSKGWQDRGPSSYYNVEYAVGYWIHKGM PSEKVVMGIPTYGHSFTLASAETTVGAPA SGPGAAGPITESSGFLAYYEICQFLKGA KITRLQDQQVPYAVKGNQWVGYYDDVKSMETKVQFLKN LNLGGAMIWSIDMDDFTG KSCNQGPYPLVQAVKRSLSGLVDHHHHHH

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Endotoxin	Less than 0.1 ng/μg (1 IEU/μg).
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
Storage	Lyophilized protein should be stored at< -20°C,="" though="" stable="" at="" room="" temperature="" for="" 3="">Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at< -20°C="" for="" 3="">
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.It is not recommended to reconstitute to a concentration less than 100 ug/ml.Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Shipping	The product is shipped at ambient temperature.

GENE INFORMATION

Gene Name	CHI3L2?chitinase 3-like 2 [?Homo sapiens?(human)]
Official Symbol	CHI3L2
Synonyms	CHI3L2; CHIL2; YKL39; YKL-39; chitinase 3-like 2; chitinase-3-like protein 2; chondrocyte protein 39
Gene ID	1117
mRNA Refseq	NM_004000
Protein Refseq	NP_003991
MIM	601526

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UniProt ID	Q15782
Chromosome Location	1p13.3
Function	chitin binding; NOT chitinase activity

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