
Product Data Sheet

Product Name: CHI3L2 Human, Sf9

Cat. No.: GP21483

Batch No.: 1

Product Data

Purity	>98%	Source	Sf9,Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Chitinase 3-Like 2; Chondrocyte Protein 39; YKL-39; YKL39;Chitinase-3-Like Protein 2; CHIL2; Chitinase-3-like protein 2.		
Amino Acid Sequence	YKLVCYFTNW SQDRQEPGKF TPENIDPFLC SHLIYSFASI ENNKVIKDKSEVMLYQTIN SLKTKNPKLK ILLSIGGYLF GSKGFHPMVD SSTSRLFIN SIILFLRNHN FDGLDVSWIYPDQKENTHFT VLIHELAEAF QKDFTKSTKE RLLLTAGVSA GRQMIDNSYQ VEKLAKDLDFINLLSFDFHG SWEKPLITGH NSPLSKGWQD RGPSSYYNVE YAVGYWIHKGMPSEKVVMMGI PTYGHSFTLA SAETTVGAPA SGPGAAGPIT ESSGFLAYYE ICQFLKGAKI TRLQDQQVPYAVKGNQWVG Y DDVKSMETKV QFLKLNLLGG AMIWSIDMDD FTGKSCNQGP YPLVQAVKRSLGSLLEHHHH HH.		
Formulation	CHI3L2 protein solution (0.5mg/ml) contains PhosphateBuffered Saline (pH 7.4) and 10% glycerol.		

Introduction

Chitinase 3-Like 2 (CHI3L2) is similar to bacterial chitinases but lacks chitinase activity. CHI3L2 protein is secreted and is involved in cartilage biogenesis. CHI3L2 is a lectin, which binds chitooligosaccharides and other glycans with high affinity, but not heparin.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

CHI3L2 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain

Caution: Product has not been fully validated for medical applications. For research use only.

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containing 372 amino acids (27-390a.a.) and having a molecular mass of 41.9kDa. (Molecular size on SDS-PAGE will appear at approximately 40-57kDa). CHI3L2 is expressed with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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