

32-6699: CHI3L2 Human, Sf9

Alternative Name : Chitinase 3-Like 2, Chondrocyte Protein 39, YKL-39, YKL39, Chitinase-3-Like Protein 2, CHIL2, Chitinase-3-like protein 2.

Description

Source: Sf9, Baculovirus cells.

Sterile filtered colorless solution.

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.

CHI3L2 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 372 amino acids (27-390a.a.) and having a molecular mass of 41.9kDa.Å (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.

Product Info

Amount : 2 µg / 10 µg

Purification : Greater than 90.0% as determined by SDS-PAGE.

Content : CHI3L2 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

Storage condition : 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.

Amino Acid : YKLVCYFTNW SQDRQEPGKF TPENIDPFLC SHLIYSFASI ENNKVVIKDK SEVMLYQTIN SLKTKNPKLK ILLSIGGYLF GSKGFHPMVD SSTSRLFIN SIILFLRNHN FDGLDVSWIY PDQKENTHFT VLIHELAEAF QKDFTKSTKE RLLLTAGVSA GRQMIDNSYQ VEKLAKDLDF INLLSFDFHG SWEKPLITGH NSPLSKGWQD RGPSSYYNVE YAVGYWIHKG MPSEKVVMMGI PTYGHSFTLA SAETTVGAPA SGPGAAGPIT ESSGFLAYYE ICQFLKGAKI TRLQDQQVPY AVKGNQWVG Y DDVKSMTKV QFLKNLNLGG AMIWSIDMDD FTGKSCNQGP YPLVQAVKRS LGSLEHHHH HH.