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Datasheet for ABIN1096383

CHI3L2 Protein (AA 27-390) (His tag)

Overview

Quantity:	50 µg
Target:	CHI3L2
Protein Characteristics:	AA 27-390
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CHI3L2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Chitinase 3-Like Protein 2/CHI3L2 (C-6His)
Sequence:	YKLVCYFTNW SQDRQEPGKF TPENIDPFLC SHLIYSFASI ENNKVIKDK SEVMLYQTIN SLKTKNPKLK ILLSIGGYLF GSKGFHPMVD SSTSRLEFIN SIILFLRNHN FDGLDVSWIY PDQKENTHFT VLIHELAEAF QKDFTKSTKE RLLLTGVGSA GRQMIDNSYQ VEKLAKDLDF INLLSFDFHG SWEKPLITGH NSPLSKGWQD RGPSSYYNVE YAVGYWIHKG MPSEKVVMMGI PTYGHSFTLA SAETTVGAPA SGPGAAGPIT ESSGFLAYYE ICQFLKGAKI TRLQDQQVPY AVKGNQWVG Y DDVKSMETKV QFLKLNLLGG AMIWSIDMDD FTGKSCNQGP YPLVQAVKRS LGSLVDHHHH HH
Characteristics:	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.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Product Details

Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	CHI3L2
Alternative Name:	chitinase-3-like-2 (CHI3L2 Products)
Sub Type:	Fusionprotein
Background:	<p>Chitinase 3-Like Protein 2 (CHI3L2) is a 39 kDa secreted glycoprotein which belongs to the glycosyl hydrolase 18 family and the most closely related to human cartilage glycoprotein 39, which promotes the growth of human synovial cells as well as skin and fetal lung fibroblasts. Highest expression of CHI3L2 is in chondrocytes, followed by synoviocytes, lung and heart. It is not detected in spleen, pancreas, and liver. CHI3L2 may also be expressed in developing brain and placenta. Increased levels of CHI3L2 have been demonstrated in synovial fluids of patients with rheumatoid or osteoarthritis as well as in some other pathologies and in malignant tumors, particularly in glioblastomas. CHI3L2 may bind glycan structure with high affinity, but not heparin. It has no chitotriosidase activity, but is likely to bind some type of glycan.</p> <p>Alternative Names: Chitinase-3-Like Protein 2, Chondrocyte Protein 39, YKL-39, CHI3L2</p>
Molecular Weight:	41.94 kDa
UniProt:	Q15782

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C

Handling

Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. 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 months.
Expiry Date:	3 months
