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Datasheet for ABIN7319652 CHI3L2 Protein (His tag)

Overview

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

Product Details

Purpose:	Recombinant Human CHI3L2/YKL-39 Protein (His Tag)
Sequence:	Tyr27-Leu390
Characteristics:	Recombinant Human Chitinase 3-Like Protein 2 is produced by our Mammalian expression system and the target gene encoding Tyr27-Leu390 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	CHI3L2
Alternative Name:	CHI3L2/YKL-39 (CHI3L2 Products)
Background:	Background: 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

Target Details

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.

Synonym: Chitinase-3-Like Protein 2, Chondrocyte Protein 39, YKL-39, CHI3L2, CHIL2, YKL-39, YKL39

Molecular Weight: 41.94 kDa

UniProt: [Q15782](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.