

Recombinant Human CHI3L2 (C-6His)

Catalog # EPT164

Expression Host Human Cells

DESCRIPTION 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.

Accession AAH11460.1

Synonyms Chitinase-3-Like Protein 2; Chondrocyte Protein 39;

YKL-39; CHI3L2

Mol Mass 41.94 KDa

AP Mol Mass 40 KDa, reducing conditions

Purity Greater than 95% as determined by reducing

SDS-PAGE.

Endotoxin Less than 0.1 ng/μg (1 EU/μg) as determined by LAL

test.

FORMULATION Lyophilized from a 0.2 µm filtered solution of PBS, 5%

Trehalose, 5% Mannitol, 0.01% Tween 80, pH 7.4.

RECONSTITUTION Always centrifuge tubes before opening.Do not mix by



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vortex or pipetting.

It is not recommended to reconstitute to a concentration less than 100µg/ml.

Dissolve the lyophilized protein in distilled water.

Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SHIPPING

The product is shipped at ambient temperature.

Upon receipt, store it immediately at the temperature listed below.

STORAGE

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.

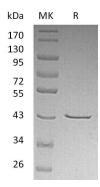
BACKGROUND

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 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 has no chitotriosidase activity, but is likely to bind some type of glycan.



SDS-PAGE

