

Product datasheet for **TP726821**

Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Chitinase 3-Like Protein 2/CHI3L2 (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Tyr27-Leu390
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Note:	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.
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.
Stability:	12 months from date of despatch
Synonyms:	Chitinase-3-Like Protein 2; Chondrocyte Protein 39; YKL-39; CHI3L2
Summary:	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.


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