

32-7406: Recombinant Human Chitinase-3-Like Protein 1/CHI3L1 (C-6His)

Gene : CHI3L1

Gene ID : 1116

Uniprot ID : P36222

Description

Source: Human Cells.

MW :51.53kD.

Recombinant Human Chitinase-3-Like Protein 1 is produced by our Mammalian expression system and the target gene encoding Tyr22-Thr383 is expressed with a 6His tag at the C-terminus. Chitinase-3-Like Protein 1 (CHI3L1) belongs to the glycosyl hydrolase 18 family. CHI3L1 is expressed in activated macrophages, articular chondrocytes, synovial cells as well as in liver. It lacks chitinase activity and is secreted by activated macrophages, chondrocytes, neutrophils and synovial cells. CHI3L1 is thought to play a role in defense against pathogens, or in tissue remodeling, and in the capacity of cells to respond to and cope with changes in their environment. In addition, CHI3L1 is associated with susceptibility to asthma-related traits type 7 (ASRT7) which assessed by methacholine challenge test, serum IgE levels, atopy, and atopic dermatitis.

Product Info

Amount : 10 µg / 50 µg

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

Storage condition : 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.

Amino Acid : YKLVCYYTWSQYREGDGSCFPDALDRFLCTHIIYSFANISNDHIDTWEWNDVTLYGMLNTLKNRN
PNLKTLLSVGGWNFGSQRFSKIASNTQSRRTFIKSVPPFLRTHGFDGLDLAWLYPGRDRKQHFHTL
IKEMKAEFIKEAQPQKKQLLLSAALSAGKVTIDSSYDIKISQHLDFISIMTYDFHGAWRGTTGHHSP
LFRGQEDASPDRFSNTDYAVGYMLRLGAPASKLVMGIPTFGRSFTLASSETGVGAPISGPGIPGRF
TKEAGTLAYYEICDFLRGATVHRILGQQVPYATKGNQWVGYYDDQESVSKVQYLKDRQLAGAMV
WALDLDDFQGSFCGQDLRFPLTNAIKDALAATVDHHHHHH

Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 Åµg/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Endotoxin : Less than 0.1 ng/Åµg (1 IEU/Åµg) as determined by LAL test.