

Product datasheet for **TP726805**

CHI3L1 Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Chitinase-3-Like Protein 1/CHI3L1 (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Tyr22-Thr383
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mM PB, 150mM NaCl, 2mM EDTA, pH 7.4.
Note:	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.
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
Locus ID:	1116
UniProt ID:	P36222
Summary:	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.


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