



Human CHI3L1 peptide (DAG-P0351)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Chitinases catalyze the hydrolysis of chitin, which is an abundant glycopolymer found in insect exoskeletons and fungal cell walls. The glycoside hydrolase 18 family of chitinases includes eight human family members. This gene encodes a glycoprotein member of the glycosyl hydrolase 18 family. The protein lacks chitinase activity and is secreted by activated macrophages, chondrocytes, neutrophils and synovial cells. The protein is thought to play a role in the process of inflammation and tissue remodeling. [provided by RefSeq, Sep 2009]
Specificity	Present in activated macrophages, articular chondrocytes, synovial cells as well as in liver. Undetectable in muscle tissues, lung, pancreas, mononuclear cells, or fibroblasts.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the glycosyl hydrolase 18 family.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	CHI3L1 chitinase 3-like 1 (cartilage glycoprotein-39) [Homo sapiens (human)]
Official Symbol	CHI3L1
Synonyms	CHI3L1; chitinase 3-like 1 (cartilage glycoprotein-39); GP39; ASRT7; GP-39; YKL40; CGP-39; YKL-40; YYL-40; HC-gp39; HCGP-3P; hCGP-39; chitinase-3-like protein 1; 39 kDa synovial

protein; cartilage glycoprotein 39;

Entrez Gene ID	1116
mRNA Refseq	NM_001276.2
Protein Refseq	NP_001267.2
UniProt ID	P36222
Chromosome Location	1q32.1
Function	chitin binding; NOT chitinase activity; extracellular matrix structural constituent;