

**CHI3L1, 22-383aa, Human, His-tag, Baculovirus**

**Cat.NO.: TP01604**

3th Edition

**Synonyms:**Chitinase-3-like protein 1 , CHI3L1, ASRT7, CGP-39, GP-39, GP39, HC-gp39, hCGP-39, HCGP-3P, YKL-40, YYL-40, 39 kDa synovial protein, ASRT7, Cartilage glycoprotein 39CGP-39, CGP39.

**Description:**CHI3L1, also known as chitinase-3-like protein 1, is a member of the glycosyl hydrolase 18 family. This protein can bind heparins, probably as heparin sulfate. It has been found to enhance cell adhesion and promote cell signaling, proliferation and tumor angiogenesis. Elevated serum CHI3L1 levels occur in some conditions characterized by inflammation and connective tissue remodeling such as arthritis, chronic obstructive pulmonary disease, diabetes, cardiovascular disease, inflammatory bowel disease, and liver cirrhosis. Recombinant human CHI3L1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques

**Form:**Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol, 1mM DTT

**Molecular Weight:**41.4kDa (370aa), 40-57kDa (SDS-PAGE under reducing conditions)

**Sequences:**

YKLVCCYYTSSWSQYREGDGSCFPDALDRFLCTHIIYSFANISNDHIDTWEWNDVTLYGMLNLTNLRNPNLKTLLSVG  
GWNFGSQRFSKIASNTQSRRTFIKSVPPFLRTHGFDGLDLAWLYPGRGDKQHFTTLIKEMKAEFIKEAQPQKQLLL  
SAALSAGKVTIDSSYDIKISQHLDFISIMTYDFHGAWRGTTGHHSPFRGQEDASPDRFSNTDYAVGYMLRLGAPA  
SKLVMGIPTFGRSFTLASSETGVGAPISGPGIPGRFTKEAGTLAYYEICDFLRGATVHRILGQQVPYATKGNQWVGY  
DDQESVKSKVQYLKDRQLAGAMVWALDLDLDFQGSFCGQDLRFPLTNAIKDALAATLEHHHHHH

**Purity:**> 95% by HPLC

**Concentration:**0.25mg/ml (determined by Absorbance at 280nm)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.