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32-6698: CHI3L1 (22-383) Human

Alternative Name :	Chitinase 3 Like 1, Chitinase 3-Like 1 (Cartilage Glycoprotein-39), Cartilage Glycoprotein 39, 39 KDa Synovial Protein, HCGP-39, CGP-39, YKL-40, GP-39 , Chitinase-3-Like Protein 1, Cartilage Glycoprotein-39, HC-Gp39, HCGP-3P, YYL-40, ASRT7, YKL40.

Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
Chitinase 3-Like 1 (CHI3L1) catalyze the hydrolysis of chitin that is an abundant glycopolymer present in insect exoskeletons and fungal cell walls. The glycoside hydrolase 18 family of chitinases comprises 8 human family members. CHI3L1 belongs to the glycosyl hydrolase 18 family. CHI3L1 lacks chitinase activity and is secreted by activated macrophages, chondrocytes, neutrophils and synovial cells. CHI3L1 takes part in the process of inflammation and tissue remodeling.
CHI3L1 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 370 amino acids (22-383 a.a.) and having a molecular mass of 41.4kDa (Migrates at 40-57kDa on SDS-PAGE under reducing conditions).CHI3L1 is expressed with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	1 µg / 5 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	CHI3L1 protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4), 10% glycerol and 1mM DTT.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid :	YKLVCYYTSW SQYREGDGSC FPDALDRFLC THIIYSFANI SNDHIDTWEW NDVTLYGMLN TLKNRNPNLK TLLSVGGWNF GSQRFSKIAS NTQSRRTFIK SVPPFLRTHG FDGLDLAWLY PGRGDKQHFT TLIKEMKAEF IKEAQPGKKQ LLLSAALSAG KVTIDSSYDI AKISQHLDFI SIMTYDFHGA WRGTTGHHSP LFRGQEDASP DRFSNTDYAV GYMLRLGAPA SKLVMGIPTF GRSFTLASSE TGVGAPISGP GIPGRFTKEA GTLAYYEICD FLRGATVHRI LGQQVPYATK GNQWVGYDDQ ESVKSKVQYL KDRQLAGAMV WALDLDDFQG SFCGQDLRFP LTNAIKDALA ATLEHHHHHH.

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