

Product datasheet for TP303769L

CHI3L1 (NM_001276) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins Description: Recombinant protein of human chitinase 3-like 1 (cartilage glycoprotein-39) (CHI3L1), 1 mg Species: Human HEK293T **Expression Host:** Expression cDNA Clone >RC203769 protein sequence or AA Sequence: Red=Cloning site Green=Tags(s) MGVKASQTGFVVLVLLQCCSAYKLVCYYTSWSQYREGDGSCFPDALDRFLCTHIIYSFANISNDHIDTWE WNDVTLYGMLNTLKNRNPNLKTLLSVGGWNFGSQRFSKIASNTQSRRTFIKSVPPFLRTHGFDGLDLAWL YPGRRDKQHFTTLIKEMKAEFIKEAQPGKKQLLLSAALSAGKVTIDSSYDIAKISQHLDFISIMTYDFHG AWRGTTGHHSPLFRGQEDASPDRFSNTDYAVGYMLRLGAPASKLVMGIPTFGRSFTLASSETGVGAPISG PGIPGRFTKEAGTLAYYEICDFLRGATVHRILGQQVPYATKGNQWVGYDDQESVKSKVQYLKDRQLAGAM VWALDLDDFQGSFCGQDLRFPLTNAIKDALAAT **TRTRPLEQKLISEEDLAANDILDYKDDDDKV** C-Myc/DDK Tag: Predicted MW: 42.4 kDa **Concentration:** >0.05 µg/µL as determined by microplate BCA method **Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining **Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol **Bioactivity:** Binding assay (PMID: 25688078) **Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. Storage: Store at -80°C. Stable for 12 months from the date of receipt of the product under proper storage and Stability: handling conditions. Avoid repeated freeze-thaw cycles. RefSeq: NP 001267



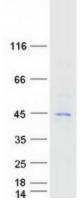
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	CHI3L1 (NM_001276) Human Recombinant Protein – TP303769L
Locus ID:	1116
UniProt ID:	<u>P36222, A0A024R969</u>
RefSeq Size:	1867
Cytogenetics:	1q32.1
RefSeq ORF:	1149
Synonyms:	ASRT7; CGP-39; GP-39; GP39; HC-gp39; HCGP-3P; hCGP-39; YK-40; YKL-40; YKL40; YYL-40
Summary:	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]
Protein Families	: Secreted Protein

Product images:



Coomassie blue staining of purified CHI3L1 protein (Cat# [TP303769]). The protein was produced from HEK293T cells transfected with CHI3L1 cDNA clone (Cat# [RC203769]) using MegaTran 2.0 (Cat# [TT210002]).

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