CHI3L2 Protein, Human (HEK293, His)

Cat. No.:	HY-P7816
Synonyms:	rHuChitinase-3-like protein 2/CHI3L2, His; Chitinase-3-Like Protein 2; Chondrocyte Protein 39; YKL-39; CHI3L2
Species:	Human
Source:	HEK293
Accession:	AAH11460.1 (Y27-L390)
Gene ID:	1117
Molecular Weight:	Approximately 40.0 kDa

PROPERTIES

AA Sequence	YKLVCYFTNW SQDRQEPGKF TPENIDPFLC SHLIYSFASI ENNKVIIKDK SEVMLYQTIN SLKTKNPKLK ILLSIGGYLF GSKGFHPMVD SSTSRLEFIN SIILFLRNHN FDGLDVSWIY PDQKENTHFT VLIHELAEAF QKDFTKSTKE RLLLTAGVSA GRQMIDNSYQ VEKLAKDLDF INLLSFDFHG SWEKPLITGH NSPLSKGWQD RGPSSYYNVE YAVGYWIHKG MPSEKVVMGI PTYGHSFTLA SAETTVGAPA SGPGAAGPIT ESSGFLAYYE ICQFLKGAKI TRLQDQQVPY AVKGNQWVGY DDVKSMETKV QFLKNLNLGG AMIWSIDMDD FTGKSCNQGP YPLVQAVKRS LGSL
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH$_2$O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The CHI3L2 protein functions as a lectin, displaying a high affinity for chitooligosaccharides and various glycans, excluding heparin. Notably, CHI3L2 lacks chitinase activity, distinguishing it from enzymes that typically catalyze the hydrolysis of

chitin.