

Product Data Sheet

Recombinant Human CHIT1 Protein

Catalog #	Source	Reactivity	Applications
CRP1302	Human cells	H	E, WB, SDS-PAGE, MS
Description	Recombinant Human CHIT1 Protein is produced by Mammalian expression system and the target gene encoding Ala22-Asn466 is expressed with a 6His tag at the C-terminus.		
Form	Liquid in a 0.2 µM filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 7.5.		
Gene Symbol	CHIT1		
Alternative Names	Chitotriosidase-1; Chitinase-1		
Entrez Gene	1118 (Human)		
SwissProt	Q13231 (Human)		
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.		
Chemical Structure	AKLVCYFTNW AQYRQGEARF LPKDLDPSTC THLIYAFAGM TNHQLSTTEW NDETLYQEFN GLKKMNPPLK TLLAIGGWNF STQKFTDMVA TANNRQTFVN SAIRFLRKYS FDGLDLWEY PGSQGSPAVD KERFTTLVQD LANAFQQEAQ TSGKERLLLS AAVPAGQTYV DAGYEVDKIA QNLDFVNLMA YDFHGSWEKV TGHNSPLYKR QEESGAAASL NVDAAVQQWL QKGTTPASKLI LGMPYGRSF TLASSDTRV GAPATGSGTP GPFTKEGGML AYYEVCSWKG ATKQRIQDQK VPIYFRDNQW VGFDDVESFK TKVSYLKQKG LGGAMVWALD LDDFAGFSCN QGRYPLIQLT RQELSLPYLP SGTPELEVPK PGQPSEPEHG PSPGQDTFCQ GKADGLYPNP RERSSFYSCA GGRLFQQSCP TGLVFSNSCK CCTWNVDHHH HHH		
Quality Control	Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.		
Directions for Use	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Storage/Stability

Store it at -20°C to -80°C for one year. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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