

Recombinant Human CHIT1 Protein

Catalog #	Source	Reactivity	Applications
CRP1302	Human cells	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human CHIT1 Protein is produced by our 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	AKLVCFYFTNW AQYRQGEARF LPKDLDPSTL THLIYAFAGM TNHQLSTTEW NDETLVQEFN GLKKMNPKLK TLLAIGGWNF STQKFTDMVA TANNRQTFVN SAIRFLRKYS FDGLDLDEWEY PGSQGSPAVD KERFTTLVQD LANAFQQEAQ TSGKERLLLS AAVPAGQTYV DAGYEVDKIA QNLDFVNLMA YDFHGSWEKV TGHNSPLYKR QEESGAAASL NVDAAVQQWL QKGTTPASKLI LGMPTYGRSF TLASSDTRV GAPATGSGTP GPFTKEGGML AYYEVCSWKG ATKQRIQDQK VPIYFRDNQW VGFDDVESFK TKVSYLKQKG LGGAMVWALD LDDFAGFSCN QGRYPLIQTL 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. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.		
Storage/Stability	Store it at -20°C to -80°C for one year.		

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

COHESION BIOSCIENCES LIMITED

WEB
www.cohesionbio.com

ORDER
order@cohesionbio.com

SUPPORT
techsupport@cohesionbio.com

CUSTOM
custom@cohesionbio.com

Product Data Sheet

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

COHESION BIOSCIENCES LIMITED

WEB

www.cohesionbio.com

ORDER

order@cohesionbio.com

SUPPORT

techsupport@cohesionbio.com

CUSTOM

custom@cohesionbio.com