

Recombinant Human CHI3L1 Protein

Catalog #	Source	Reactivity	Applications
CRP1300	Human cells	Human	E, WB, SDS-PAGE, MS

Description	Recombinant Human CHI3L1 Protein is produced by our Mammalian expression system and the target gene encoding Tyr22-Thr383 is expressed with a 6His tag at the C-terminus.
Form	Lyophilized from a 0.2 μ M filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Gene Symbol	CHI3L1
Alternative Names	Chitinase-3-like protein 1; 39 kDa synovial protein; Cartilage glycoprotein 39; CGP-39; GP-39; hCGP-39; YKL-40
Entrez Gene	1116 (Human)
SwissProt	P36222 (Human)
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
Chemical Structure	YKLVCIYTSW SQYREGDGSC FPDALDRFLC THIIYSFANI SNDHIDTWEW NDVTLYGMLN TLKRNPNLK TLLSVGGWNF GSQRFSKIAS NTQSRRTFIK SVPPFLRTHG FDGLDLAWLY PGRRDQKHFT TLIKEMKAEF IKEAPGKKQ LLSAALSAG KVTIDSSYDI AKISQHLDFI SIMTYDFHGA WRGTTGHHSP LFRGQEDASP DRFSNTDYAV GYMLRLGAPA SKLVMGIPTF GRSFTLASSE TGVGAPISGP GIPGRFTKEA GTLAYYEICD FLRGATVHRI LGQQVPYATK GNQWVGYDDQ ESVKSKVQYL KDRQLAGAMV WALDLDDFQG SFCGQDLRFP LTNAIKDALA ATVDHHHHHH
Quality Control	Endotoxin: Less than 0.1 ng/ μ g (1 IEU/ μ g) 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 μ g/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize

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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Product Data Sheet

freeze-thaw cycles.

Storage/Stability

Lyophilized protein should be stored at -20°C , though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at $2-8^{\circ}\text{C}$ for 2-7 days.

Aliquots of reconstituted samples are stable at -20°C for 3 months.

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