

Recombinant Human Aggrecan Protein

Catalog #	Source	Reactivity	Applications
CST2050	E. coli	H	
Description	Recombinant Human Aggrecan Protein is produced by E. coli expression system and the target gene encoding Ala2021-Cys2320 is expressed with C-terminus His tag.		
Form	Liquid in a 0.2 µm filtered solution of PBS, pH 7.4.		
Gene Symbol	ACAN		
Alternative Names	AGC1; CSPG1; MSK16; Aggrecan core protein; Cartilage-specific proteoglycan core protein; CSPCP; Chondroitin sulfate proteoglycan core protein 1; Chondroitin sulfate proteoglycan 1		
Entrez Gene	176		
SwissProt	P16112		
Purity			
Chemical Structure	AMGTSGEASG LPEVTLITSE FVEGVTEPTI SQELGQRPPV THTPQLFESS GKVSTAGDIS GATPVLPGSG VEVSSVPESS SETSAYPEAG FGASAAPEAS REDSGSPDLS ETTSAPHEAN LERSSGLGVS GSTLTFQEGE ASAAPEVSGE STTSDVGTE APGLPSATPT ASGDRTEISG DLSGHTSQLG VVISTSIPES EWTQQTQRPA ETHLEIESSS LLYSGEETHT VE		
Quality Control			
Directions for Use	Always centrifuge tubes before opening. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.		
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.		

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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