

Product Data Sheet

Recombinant Human CA10 Protein

Catalog #	Source	Reactivity	Applications
CRP1150	Human cells	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human CA10 Protein is produced by our mammalian expression system and the target gene encoding Gln22-Asn300 is expressed with a 6His tag at the C-terminus.		
Form	Lyophilized from a 0.2 μM filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 8.0.		
Gene Symbol	CA10		
Alternative Names	Carbonic anhydrase-related protein 10; Carbonic anhydrase-related protein X; CA-RP X; CARP X; Cerebral protein 15		
Entrez Gene	56934 (Human)		
SwissProt	Q9NS85 (Human)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	QQNSPKIHEG WWAYKEVVQG SFVPVPSFWG LVNSAWNLCS VGKRQSPVNI ETSHMIFDPF LTPLRINTGG RKVSGTMYNT GRHVSRLRDK EHLVNISGGP MTYSHRLEEI RLHFGSEDSQ GSEHLLNGQA FSGEVQLIHY NHELYTNVTE AAKSPNGLVV VSIFIKVSDS SNPFLNRMLN RDTITRITYK NDAYLLQGLN IEELYPETSS FITYDGSM TI PPCYETASWI IMNKPVYITR MQMHSLRLLS QNQPSQIFLS MSDNFRPVQP LNNRCIRTNV DHHHHHHH		
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. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.		
Storage/Stability	Lyophilized protein should be stored at -20°C, though stable at room temperature		
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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for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days.

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

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