

Product Data Sheet

Recombinant Human CA14 Protein

Catalog #	Source	Reactivity	Applications
CRP1154	E. coli	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human CA14 Protein is produced by our E. coli expression system and the target gene encoding Gly19-Met290 is expressed with a 6His tag at the N-terminus.		
Form	Liquid in a 0.2 µM filtered solution of 20mM Tris, 150mM NaCl, 10% Glycerol, pH 8.0.		
Gene Symbol	CA14		
Alternative Names	Carbonic anhydrase 14; Carbonate dehydratase XIV; Carbonic anhydrase XIV; CA-XIV		
Entrez Gene	23632 (Human)		
SwissProt	Q9ULX7 (Human)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	MNHKVHHHHH HMGQHWTYEG PHGQDHPAS YPEGNNAQS PIDIQTDSVT FDPDLPALQP HGYDQPGTEP LDHNNNGHTV QLSLPSTLYL GGLPRKYVAA QLHLHWGQKG SPGGSEHQIN SEATFAELHI VHYDSDSYDS LSEAAERPQG LAVLGILIEV GETKNIAYEH ILSHLHEVRH KDQKTSVPPF NIRELLPKQL GQYFRYNGSL TTPPCYQSVL WTVFYRRSQI SMEQLEKLQG TLFSTEEEPS KLLVQNYRAL QPLNQRMVFA SFIQAGSSYT TGEMVDLQSR		
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

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