

# Product Data Sheet

## Recombinant Human CA10 Protein

Catalog #	Source	Reactivity	Applications
CRP1151	E. coli	Human	E, WB, SDS-PAGE, MS
<b>Description</b>	Recombinant Human CA10 Protein is produced by our E. coli expression system and the target gene encoding Ala21-Asn300 is expressed with a 6His tag at the N-terminus.		
<b>Form</b>	Lyophilized from a 0.2 µM filtered solution of 25mM Tris, 150mM NaCl, pH 7.5.		
<b>Gene Symbol</b>	CA10		
<b>Alternative Names</b>	Carbonic anhydrase-related protein 10; Carbonic anhydrase-related protein X; CA-RP X; CARP X; Cerebral protein 15		
<b>Entrez Gene</b>	56934 (Human)		
<b>SwissProt</b>	Q9NS85 (Human)		
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE.		
<b>Chemical Structure</b>	<p>MNHKVHHHHH HMAQQNSPKI HEGWWAYKEV VQGSFVPVPS FWGLVNSAWN</p> <p>LCSVGKRQSP VNIETSHMIF DPFLTPLRIN TGGRKVS GMT YNTGRHVS LR LDKEHLVNIS</p> <p>GGPMTYSHRL EEIRLHFGSE DSQGSEHLLN GQAFSGEVQL IHYNHELYTN VTEAAKSPNG</p> <p>LVVVSIFIKV SDSSNPFLNR MLNRDTITRI TYKNDAYLLQ GLNIEELYPE TSSFITYDGS</p> <p>MTIPPCYETA SWIIMNKP VY ITRMQMHSLR LLSQNNQPSQI FLSMSDNFRP VQPLNNRCIR</p> <p>TNLELQSR</p>		
<b>Quality Control</b>	Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.		
<b>Directions for Use</b>	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.		

**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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### 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°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

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