

Product Data Sheet

Recombinant Human CA4 Protein

Catalog #	Source	Reactivity	Applications
CRP1158	E. coli	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human CA4 Protein is produced by our E.coli expression system and the target gene encoding Ala19-Lys283 is expressed with a 6His tag at the C-terminus.		
Form	Liquid in a 0.2 µM filtered solution of 20mM Tris-HCl, 100mM NaCl, pH 8.5.		
Gene Symbol	CA4		
Alternative Names	Carbonic anhydrase 4; Carbonate dehydratase IV; Carbonic anhydrase IV; CA-IV		
Entrez Gene	762 (Human)		
SwissProt	P22748 (Human)		
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.		
Chemical Structure	MAESHWCYEV QAESSNYPCL VPVKWGGNCQ KDRQSPINIV TTKAKVDKKL GRFFFSGYDK KQTWTVQNNG HSMMLLENK ASISGGGLPA PYQAKQLHLH WSDLPYKGSE HSLDGEHFAM EMHIVHEKEK GTSRNVKEAQ DPEDEIAVLA FLVEAGTQVN EGFQPLVEAL SNIPKPEMST TMAESSLLDL LPKEEKLRHY FRYLGSITTP TCDEKVVWTV FREPIQLHRE QILAFSQKLY YDKEQTVSMK DNVRPLQQLG QRTVIKLEHH HHHH		
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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