

Recombinant Human CA7 Protein

Catalog #	Source	Reactivity	Applications
CRP1160	E. coli	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human CA7 Protein is produced by our E.coli expression system and the target gene encoding Met1-Ala264 is expressed with a 6His tag at the C-terminus.		
Form	Liquid in a 0.2 μM filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 8.0.		
Gene Symbol	CA7		
Alternative Names	Carbonic anhydrase 7; Carbonate dehydratase VII; Carbonic anhydrase VII; CA-VII		
Entrez Gene	766 (Human)		
SwissProt	P43166 (Human)		
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.		
Chemical Structure	<p>MTGHHGWGYG QDDGPSHWHK LYPIAQGDRQ SPINIISQA VYSPSLQPLE LSYEACMSLS</p> <p>ITNNGHSVQV DFNDSDDRTV VTGGPLEGPY RLKQFHFWG KKHDVGSEHT VDGKSFPEL</p> <p>HLVHWNACKY STFGEAASAP DGLAVVGVFL ETGDEHPSMN RLTDALYMVR FKGTKAQFSC</p> <p>FNPCKLLPAS RHYWTYPGSL TTPPLESVT WIVLREPICI SERQMGKFRS LLFTSEDDER</p> <p>IHMVNNFRPP QPLKGRVVKA SFRALEHHHH HH</p>		
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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