

Product Data Sheet

Recombinant Human CA13 Protein

Catalog #	Source	Reactivity	Applications
CRP1153	E. coli	H	E, WB, SDS-PAGE, MS
Description	Recombinant Human CA13 Protein is produced by E.coli expression system and the target gene encoding Met1-His262 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 7.5.		
Gene Symbol	CA13		
Alternative Names	Carbonic anhydrase 13; Carbonate dehydratase XIII; Carbonic anhydrase XIII; CA-XIII		
Entrez Gene	377677 (Human)		
SwissProt	Q8N1Q1 (Human)		
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.		
Chemical Structure	MSRLSWGYYRE HNGPIHWKEF FPIADGDQQS PIEIKTKEVK YDSSLRPLSI KYDPSSAKII SNSGHSFNVD FDDTENKSVL RGGPLTGSYR LRQVHLHWGS ADDHGSEHIV DGVSYAAELH VVHWNSDKYP SFVEAAHEPD GLAVLGVFLQ IGEPNSQLQK ITDTLDSIKE KGKQTRFTNF DLLSLLPPSW DYWTYPGSLT VPPLLESVTW IVLKQPINIS SSQLAKFRSL LCTAEGEAAA FLVSNHRPPQ PLKGRKVRAS FHLEHHHHHHH		
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. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.		
Storage/Stability	Store it at -20°C to -80°C for one year. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated 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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