

Active Recombinant Human CA2 protein, His-tagged, Low Endotoxin

Cat. No. CA2-479H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human CA2 protein(P00918)(Ser2-Lys260) is expressed from HEK293 with His tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	2-260 aa
Form	Lyophilized from 0.22 µm filtered solution in 20mM Tris, 150mM NaCl (pH 8.0).
Bio-activity	Measured by its esterase activity. The specific activity is > 400 pmol/min/µg.
Molecular Mass	The protein has a predicted MW of 30.72 kDa. Due to glycosylation, the protein migrates to 31-35 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Reconstitution Dissolve the lyophilized protein in distilled water.

GENE INFORMATION

Gene Name CA2 carbonic anhydrase II [Homo sapiens]

Official Symbol CA2

Synonyms CA2; carbonic anhydrase II; carbonic anhydrase 2; CA II; CAII; Car2; CAC; carbonic anhydrase B; carbonic anhydrase C; carbonic dehydratase; carbonate dehydratase II; CA-II;

Gene ID 760

mRNA Refseq NM_000067

Protein Refseq NP_000058

MIM 611492

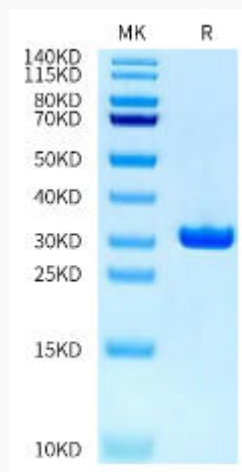
UniProt ID P00918

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Bis-Tris PAGE



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