Active Recombinant Human CA2 protein, His-tagged

Cat. No. CA2-1114H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CA2 protein(NP_000058.1) (Met 1-Lys 260), fused with C-terminal His Tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	Met 1-Lys 260
Form	Lyophilized from sterile 20mM Tris 0.5M NaCl, pH 8.0 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its esterase activity. The specific activity is >150 pmoles/min/μg .
Molecular Mass	The recombinant human CA2 consisting of 266 amino acids and has a calculated molecular mass of 30 kDa as estimated in SDS-PAGE under reducing conditions.
Purity	> 96 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of

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	0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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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