

Active Recombinant Human CA2 protein

Cat. No. CA2-219H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human CA2 protein(NP_000058.1)(Ser2-Lys260) is expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	2-260 aa
Form	Lyophilized from a 0.22 µm filtered solution of 20mM Tris, 150mM NaCl, pH 8.0.Contact us for customized product form or formulation.
Bio-activity	Measured by its esterase activity. The specific activity is >840 pmoles/min/µg, as measured with 1 mM 4-Nitrophenyl acetate and 0.1 µg enzyme at 400 nm in 100 µL of 12.5 mM Tris, 75 mM NaCl, pH 7.5.
Molecular Mass	29.11 kDa
Endotoxin	< 0.1 EU/µg of the protein by LAL method.
Purity	≥ 90 % as determined by SDS-PAGE.
Storage	Store at -20°C.Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

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Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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](#)

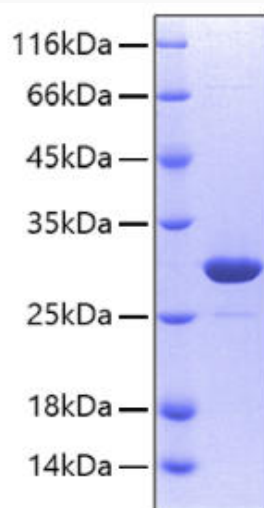
UniProt ID [P00918](#)

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SDS-PAGE



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