

Recombinant Human CA1 protein, His-SUMO-tagged

Cat. No. CA1-2614H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CA1 protein(P00915)(2-261aa), fused to N-terminal His tag and SUMO tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	2-261aa
Form	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Molecular Mass	44.7 kDa
AA Sequence	ASPDWGYDDKNGPEQWSKLYPIANGNNQSPVDIKTSETKHDTSLKPISVSYNPATA KEIINVGHSHFVNFEDNDNRSVLKGGPFSDSYRLFQHFHWGSTNEHGSEHTVDGV KYSAELHVAHWNSAKYSSSLAEAAASKADGLAVIGVLMKVGEANPKLQKVLDALQAIKT KGKRAPFTNFD PSTLLPSSLDFTYPGSLTHPPLYESVTWICKESISVSSEQLAQFR SLLSNVEGDNAVPMQHNNRPTQPLKGRTVRASF
Purity	Greater than 90% as determined by SDS-PAGE.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid

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repeated freeze-thaw cycles.

Reconstitution

Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%.

GENE INFORMATION

Gene Name

CA1 carbonic anhydrase I [Homo sapiens]

Official Symbol

CA1

Synonyms

CA1; carbonic anhydrase I; carbonic anhydrase 1; Car1; carbonic anhydrase B; carbonic dehydratase; carbonate dehydratase I; CAB; CA-I;

Gene ID

759

mRNA Refseq

NM_001128829

Protein Refseq

NP_001122301

MIM

114800

UniProt ID

P00915

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