

Active Recombinant Human CA13 protein, His-tagged

Cat. No. CA13-863H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CA13 protein(NP_940986.1)(Met1-His262), fused with His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-His262
Form	Lyophilized from sterile 20mM Tris, 0.5M NaCl, pH 8.0Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	Measured by its esterase activity. The specific activity is >7 pmoles/min/μg.
Molecular Mass	The recombinant human CA13 consisting of 268 amino acids and has a calculated molecular mass of 30.3 kDa. It migrates as an approximately 32 kDa band 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.

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Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name CA13 carbonic anhydrase XIII [Homo sapiens]

Official Symbol CA13

Synonyms CA13; carbonic anhydrase XIII; carbonic anhydrase 13; CAXIII; FLJ37995; MGC59868; CA-XIII; carbonate dehydratase XIII; FLJ36434;

Gene ID 377677

mRNA Refseq NM_198584

Protein Refseq NP_940986

MIM 611436

UniProt ID Q8N1Q1

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