

Active Recombinant Human CA13 protein, His-tagged

Cat. No. CA13-10616H Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human CA13 protein(NP_940986.1) (Met 1-His 262) was expressed in E. coli, with a polyhistide tag at the C-terminus.
Species	Human
Source	E. coli
ProteinLength	1-262 aa
Form	Lyophilized from sterile 20mM Tris, 0.5M NaCl, pH 8.0.
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	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities 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 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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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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