

## Recombinant Human CA4 Protein, His-tagged

**Cat. No.** CA4-237H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CA4 Protein(NP_000708.1) (Met1-Lys283) without the pro peptide was expressed in CHO with a polyhistidine tag at the C-terminus.
<b>Species</b>	Human
<b>Source</b>	CHO
<b>ProteinLength</b>	1-283 aa
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4.
<b>Molecular Mass</b>	The recombinant human CA4 consists of 276 amino acids after removal of the signal peptide and has a predicted molecular mass of 31.7 kDa. In SDS-PAGE under reducing conditions, rh CA4 migrates as approximately 34 and 19 kDa band.
<b>Endotoxin</b>	< 1.0 EU per µg protein as determined by the LAL method.
<b>Purity</b>	(48.3+49.3) % as determined by SDS-PAGE
<b>Storage</b>	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.
<b>Reconstitution</b>	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

<b>Gene Name</b>	CA4 carbonic anhydrase IV [ Homo sapiens ]
<b>Official Symbol</b>	CA4
<b>Synonyms</b>	CA4; carbonic anhydrase IV; retinitis pigmentosa 17 (autosomal dominant) , RP17; carbonic anhydrase 4; CAIV; Car4; CA-IV; carbonic dehydratase IV; carbonate dehydratase IV; RP17;
<b>Gene ID</b>	762
<b>mRNA Refseq</b>	NM_000717
<b>Protein Refseq</b>	NP_000708
<b>MIM</b>	114760
<b>UniProt ID</b>	P22748

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