

# Recombinant Human CA4 Protein(Met1-Lys283), His-tagged, Amine-Labeled Biotinylated

**Cat. No.** CA4-237HB    **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. The purified protein was biotinylated in vitro.                             |
| <b>Species</b>           | Human                                                                                                                                                                                                                         |
| <b>Source</b>            | CHO                                                                                                                                                                                                                           |
| <b>ProteinLength</b>     | Met1-Lys283                                                                                                                                                                                                                   |
| <b>Conjugation/Label</b> | Biotin                                                                                                                                                                                                                        |
| <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 31.69 kDa. It migrates as an approximately 33 kDa band in SDS-PAGE under reducing conditions. |
| <b>Endotoxin</b>         | < 1.0 EU per µg of the protein as determined by the LAL method                                                                                                                                                                |
| <b>Purity</b>            | ≥ 90 % as determined by SDS-PAGE.                                                                                                                                                                                             |
| <b>Storage</b>           | 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                                                    |

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be aliquoted 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.

**Conjugation**

Biotin

## GENE INFORMATION

**Gene Name**

CA4 carbonic anhydrase IV [ Homo sapiens ]

**Official Symbol**

CA4

**Synonyms**

CA4; carbonic anhydrase IV; retinitis pigmentosa 17 (autosomal dominant) , RP17; carbonic anhydrase 4; CAIV; Car4; CA-IV; carbonic dehydratase IV; carbonate dehydratase IV; RP17;

**Gene ID**

762

**mRNA Refseq**

NM\_000717

**Protein Refseq**

NP\_000708

**MIM**

114760

**UniProt ID**

P22748

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