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

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

## SPECIFICATION

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| **Product Overview** | 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. |
| **Species** | Human |
| **Source** | CHO |
| **ProteinLength** | Met1-Lys283 |
| **Conjugation/Label** | Biotin |
| **Form** | Lyophilized from sterile PBS, pH 7.4. |
| **Molecular Mass** | 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. |
| **Endotoxin** | < 1.0 EU per μg of the protein as determined by the LAL method |
| **Purity** | ≥ 90 % 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 |

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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

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| **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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