

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

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

SPECIFICATION

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

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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