

Recombinant Human CA4 Protein, His-tagged

Cat. No. CA4-237H **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.
Species	Human
Source	CHO
ProteinLength	1-283 aa
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 31.7 kDa. In SDS-PAGE under reducing conditions, rh CA4 migrates as approximately 34 and 19 kDa band.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	(48.3+49.3) % 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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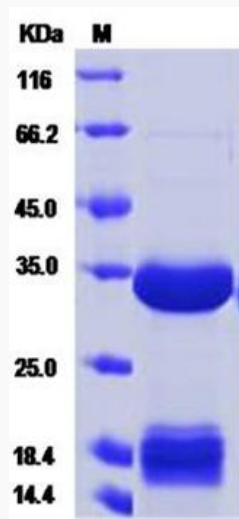
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GENE INFORMATION

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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SDS-PAGE



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