

Active Recombinant Human CA4 protein, His-tagged

Cat. No. CA4-3839H Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human CA4 protein(NP_000708.1) (Met1-Lys283) without the pro peptide was expressed in HEK293, fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-283 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Measured by its esterase activity. The specific activity is >2 pmoles/min/μg.
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 an approximately 30 kDa band.
Endotoxin	< 1.0 EU per μg protein as determined by the LAL method.
Purity	> 96 % 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.

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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.

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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