Active Recombinant Human CA10 protein, His-tagged

Cat. No. CA10-647H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human CA10 protein(NP_001076002.1) (Met 1-Asn 300) was expressed in HEK293 with a C-terminal polyhistidine tag.
Species	Human
Source	HEK293
ProteinLength	1-300 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Measured by its esterase activity. The specific activity is >10 pmoles/min/μg, as measured with 1 mM 4-Nitrophenyl acetate and 5 μg enzyme at 400 nm in 100 μL of 12.5 mM Tris, 75 mM NaCl, pH 7.5.
Molecular Mass	The recombinant human CARPX consists of 291 amino acids and has a predicted molecular mass of 33 kDa. rhCARPX migrates as an approximately 37 kDa band in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Purity	> 97 % 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-

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	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.

GENE INFORMATION

Gene Name	CA10 carbonic anhydrase X [Homo sapiens]
Official Symbol	CA10
Synonyms	CA10; carbonic anhydrase X; carbonic anhydrase-related protein 10; CA RPX; CARPX; HUCEP 15; CARP X; CA-RP X; cerebral protein 15; cerebral protein-15; carbonic anhydrase-related protein X; CA-RPX; HUCEP-15;
Gene ID	56934
mRNA Refseq	NM_001082533
Protein Refseq	NP_001076002
MIM	604642
UniProt ID	Q9NS85

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