

## Active Recombinant Human CA10 protein, His-tagged

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

### SPECIFICATION

|                         |                                                                                                                                                                                                                    |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Active Recombinant Human CA10 protein(NP_001076002.1) (Met 1-Asn 300) was expressed in HEK293 with a C-terminal polyhistidine tag.                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                              |
| <b>Source</b>           | HEK293                                                                                                                                                                                                             |
| <b>ProteinLength</b>    | 1-300 aa                                                                                                                                                                                                           |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4.                                                                                                                                                                              |
| <b>Bio-activity</b>     | 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.                |
| <b>Molecular Mass</b>   | 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. |
| <b>Endotoxin</b>        | < 1.0 EU per μg of the protein as determined by the LAL method.                                                                                                                                                    |
| <b>Purity</b>           | > 97 % as determined by SDS-PAGE                                                                                                                                                                                   |
| <b>Storage</b>          | 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-                                           |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

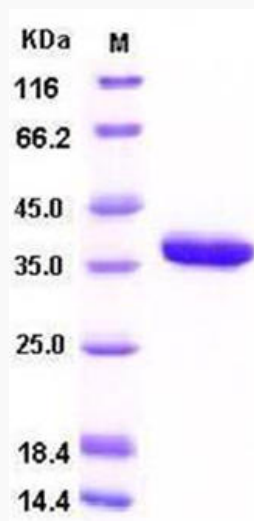
**UniProt ID** Q9NS85

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

SDS-PAGE



Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA