# Active Recombinant Human CA10 protein

**Cat. No.** CA10-258H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Active Recombinant Human CA10 protein(NP_001076002.1) (Met 1-Asn 300) with five amino acids (DDDDK) at the C-terminus was expressed and purified in HEK293. |
| **Species** | Human |
| **Source** | HEK293 |
| **ProteinLength** | 1-300 aa |
| **Form** | Lyophilized from sterile 100mM Glycine, 10mM NaCl, 50mM Tris, pH 7.5. |
| **Bio-activity** | Measured by its esterase activity. The specific activity is >100 pmoles/min/μg, as measured with 1 mM 4-Nitrophenyl acetate and 1 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 285 amino acids and has a predicted molecular mass of 27.2 kDa. Due to glycosylation, the rhCARPX migrates as an approximately 38 kDa band in SDS-PAGE under reducing conditions. |
| **Endotoxin** | < 1.0 EU per μg of the protein as determined by the LAL method. |
| **Purity** | > 95 % 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- |

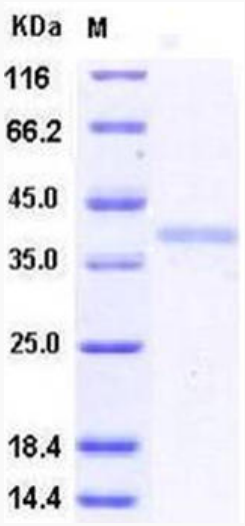
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| | thaw cycles. |
| **Reconstitution** | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents. |

## GENE INFORMATION

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| **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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| **SDS-PAGE** |  |



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