

## Recombinant Human CA14 protein, His-tagged

**Cat. No.** CA14-262H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human CA14 protein(NP_036245.1) (Met 1-Met 290) was expressed in HEK293 with a C-terminal polyhistidine tag.                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                 |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                |
| <b>ProteinLength</b>    | 1-290 aa                                                                                                                                                                                                                                              |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4.                                                                                                                                                                                                                 |
| <b>Molecular Mass</b>   | The recombinant human CA14 consisting of 286 amino acids and has a calculated molecular mass of 32.3 kDa. As a result of glycosylation, the recombinant protein migrates as an approximately 45-48 kDa protein in SDS-PAGE under reducing conditions. |
| <b>Endotoxin</b>        | < 1.0 EU per µg 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-thaw cycles.                                                                  |
| <b>Reconstitution</b>   | It is recommended that sterile water be added to the vial to prepare a stock solution of                                                                                                                                                              |

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0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

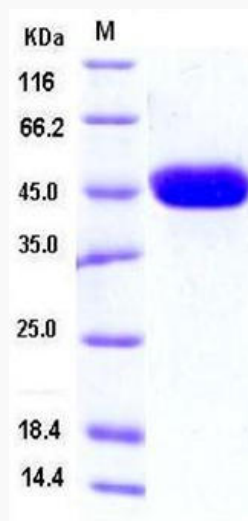
|                 |                                                                                                                      |
|-----------------|----------------------------------------------------------------------------------------------------------------------|
| Gene Name       | CA14 carbonic anhydrase XIV [ Homo sapiens ]                                                                         |
| Official Symbol | CA14                                                                                                                 |
| Synonyms        | CA14; carbonic anhydrase XIV; carbonic anhydrase 14; CA-XIV; carbonic dehydratase; carbonate dehydratase XIV; CAXiV; |
| Gene ID         | 23632                                                                                                                |
| mRNA Refseq     | NM_012113                                                                                                            |
| Protein Refseq  | NP_036245                                                                                                            |
| MIM             | 604832                                                                                                               |
| UniProt ID      | Q9ULX7                                                                                                               |

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SDS-PAGE



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