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# Product datasheet for TP720625L

## Carbonic anhydrase X (CA10) (NM_001082533) Human Recombinant Protein

### Product data:

| | |
|---|---|
| **Product Type:** | Recombinant Proteins |
| **Description:** | Purified recombinant protein of Human carbonic anhydrase X (CA10), transcript variant 1 |
| **Species:** | Human |
| **Expression Host:** | HEK293 |
| **Expression cDNA Clone or AA Sequence:** | Gln22-Asn300 |
| **Tag:** | C-His |
| **Predicted MW:** | 32.82 kDa |
| **Concentration:** | lot specific |
| **Purity:** | >95% as determined by SDS-PAGE and Coomassie blue staining |
| **Buffer:** | Provided lyophilized from a 0.2 μm filtered solution of 20 mM Tris-HCl, 150 mM NaCl |
| **Endotoxin:** | Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg) |
| **Reconstitution Method:** | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in ddH2O. It is not recommended to reconstitute a concentration less than 100 μg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |
| **Storage:** | Store at -80°C. |
| **Stability:** | Stable for at least 6 months from date of receipt under proper storage and handling conditions. |
| **RefSeq:** | NP_001076002 |
| **Locus ID:** | 56934 |
| **UniProt ID:** | Q9NS85, A0A384MTY8 |
| **RefSeq Size:** | 3386 |
| **Cytogenetics:** | 17q21.33-q22 |
| **RefSeq ORF:** | 984 |
| **Synonyms:** | CA-RPX; CARPX; HUCEP-15 |

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**Summary:** This gene encodes a protein that belongs to the carbonic anhydrase family of zinc metalloenzymes, which catalyze the reversible hydration of carbon dioxide in various biological processes. The protein encoded by this gene is an acatalytic member of the alpha-carbonic anhydrase subgroup, and it is thought to play a role in the central nervous system, especially in brain development. Multiple transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome