

## Product datasheet for **TP309723L**

### Carbonic anhydrase X (CA10) (NM\_001082533) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human carbonic anhydrase X (CA10), transcript variant 1, 1 mg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC209723 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MEIWWEVLFLLQANFIVCISAQQNSPKIHEGWWAYKEVVQGSFVPVPSFWGLVNSAWNLCVSGKRQSPVN  
IETSHMIFDPFLTPLRINTGGRKVSMTMYNTGRHVSLRLDKEHLVNISSGGPMTYSHRLEEIRLHFGSEDS  
QGSEHLLNGQAFSGEVQLIHYNHELYTNVTEAAKSPNGLVVSIFIKVSDSSNPFLNRMLNRDITRITY  
KNDAYLLQGLNIEELYPETSSFITYDGSMTIPPCYETASWIIMNKPVIYTRMQMHSRLRLSQQPSQIFL  
SMSDNFRPVQPLNNRCIRTNINFLSQGKDCPNRAQKLQYRVNEWLLK

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 37.4 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_001076002](#)

**Locus ID:** 56934



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UniProt ID: [Q9NS85](#), [A0A384MTY8](#)

RefSeq Size: 3386

Cytogenetics: 17q21.33-q22

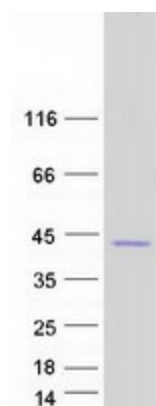
RefSeq ORF: 984

Synonyms: CA-RPX; CARPX; HUCEP-15

**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

### Product images:



Coomassie blue staining of purified CA10 protein (Cat# [TP309723]). The protein was produced from HEK293T cells transfected with CA10 cDNA clone (Cat# [RC209723]) using MegaTran 2.0 (Cat# [TT210002]).