

## Product datasheet for **TP309723M**

### 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, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC209723 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MEIWWEVLFLLQANFIVCISAQQNSPKIHEGWWAYKEVVQGSFVPVPSFWGLVNSAWNLCVSGKRQSPVN IETSHMIFDPFLTPLRINTGGRKVSMTMYNTGRHVSLRLDKEHLVNISSGGPMTYSHRLEEIRLHFGSEDS QGSEHLLNGQAFSGEVQLIHYNHELYTNVTEAAKSPNGLVVSIFIKVSDSSNPFLNRMLNRDITRITY KNDAYLLQGLNIEELYPETSSFITYDGSMTIPPCYETASWIIMNKPVIYTRMQMHSRLRLSQQPSQIFL SMSDNFRPVQPLNNRCIRTNINFLSQGKDCPNRAQKLQYRVNEWLLK</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
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:	<a href="#">NP_001076002</a>
Locus ID:	56934



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

RefSeq Size: 3386

Cytogenetics: 17q21.33-q22

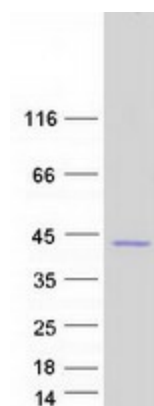
RefSeq ORF: 984

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]).