

Product datasheet for PH312539

Carbonic anhydrase X (CA10) (NM_001082534) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CA10 MS Standard C13 and N15-labeled recombinant protein (NP_001076003)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC212539
Predicted MW:	37.6 kDa
Protein Sequence:	>RC212539 protein sequence Red=Cloning site Green=Tags(s) MEIVWEVLFLLQANFIVCISAQQNSPKIHEGWWAYKEVVQGSFVVPVPSFWGLVNSAWNLCSVGKRQSPVN IETSHMIFDPFLTPLRINTGGRKVSGTMYNTGRHVSLRLDKEHLVNISSGPMYSHRLEEIRLHFGSEDS QGSEHLLNQAFSGEVQLIHYNHELTYNTVTEAAKSPNGLVVVSIFIKVSDSSNPFLNRMLNRDTITRITY KNDAYLLQGLNIEELYPETSSFITYDGSMTIPPCYETASWIIMNKPVYITRMQMHSRLRLSQNQPSQIFL SMSDNFRPVQPLNNRCIRTNINFSLQKDCPNRAQKLQYRVNEWLLK TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_001076003
RefSeq Size:	2951
RefSeq ORF:	984
Synonyms:	CA-RPX; CARPX; HUCEP-15
Locus ID:	56934



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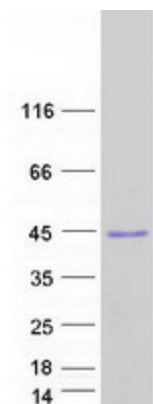
UniProt ID: [Q9NS85](#), [A0A384MTY8](#)

Cytogenetics: 17q21.33-q22

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# [TP312539]). The protein was produced from HEK293T cells transfected with CA10 cDNA clone (Cat# [RC212539]) using MegaTran 2.0 (Cat# [TT210002]).