

Recombinant Human CA10 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CA10-6447H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

CA10 MS Standard C13 and N15-labeled recombinant protein (NP_001076003) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

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.

Molecular Mass

37.6 kDa

AA Sequence

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MEIVWEVLFLQLANFIVCISAQQNSPKIHEGWWAYKEVVQGSFVPSFWGLVNSA
WNLCSVGKRQSPVNIETSHMIFDPFLTPLRINTGGRKVS GMTMYNTGRHVSLRLDKEH
LVNISGGPMTYSHRLEEIRLHFGSEDSQGSEHLLNGQAFSGEVQLIHYNHELYTNVT
EAAKSPNGLVVVSIFIKVSDSSNPFLNRMLNRDTITRITYKNDAYLLQGLNIEELYPET
SSFITYDGSMTIPPCYETASWIIMNKPVIYITRMQMHSRLLSQNPQSQIFLSMSDNFR
PVQPLNNRCIRTNINFLQKDCPNRAQKLQYRVNEWLLKTRTRPLEQKLISEEDL
AANDILDYKDDDDKV
```

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

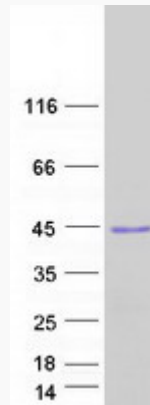
Gene Name	CA10 carbonic anhydrase X [Homo sapiens (human)]
Official Symbol	CA10
Synonyms	CA10; carbonic anhydrase X; carbonic anhydrase-related protein 10; CA RPX; CARPX; HUCEP 15; CARP X; CA-RP X; cerebral protein 15; cerebral protein-15; carbonic anhydrase-related protein X; CA-RPX; HUCEP-15;
Gene ID	56934
mRNA Refseq	NM_001082534
Protein Refseq	NP_001076003
MIM	604642
UniProt ID	Q9NS85

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SDS-PAGE



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