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Datasheet for ABIN7318232  
**CA10 Protein (His tag)**

### Overview

Quantity:	50 µg
Target:	CA10
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CA10 protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human Carbonic Anhydrase 10/CA10 Protein (E.coli, His Tag)
Sequence:	Ala21-Asn300
Characteristics:	Recombinant Human Carbonic Anhydrase-Related Protein 10/CA10 is produced by our E.coli expression system and the target gene encoding Ala21-Asn300 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	CA10
Alternative Name:	Carbonic Anhydrase 10/CA10 ( <a href="#">CA10 Products</a> )
Background:	Background: Carbonic Anhydrase-Related Protein 10 (CA10) protein belongs to the carbonic anhydrase family of zinc metalloenzymes. It is an acatalytic member of the alpha-carbonic

## Target Details

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anhydrase subgroup. CA10 expression is detected in the adult total brain and in almost all parts of the central nervous system, but it is not expressed in the fetal brain. CA10 catalyze the reversible hydration of carbon dioxide in various biological processes, which is fundamental to many processes such as respiration, renal tubular acidification and bone resorption. CA10 is thought to play a role in the central nervous system, especially in brain development.

Synonym: Carbonic Anhydrase-Related Protein 10, Carbonic Anhydrase-Related Protein X, CA-RP X, CARP X, Cerebral Protein 15, CA10,CA-RPX,CARPX,HUCEP-15

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Molecular Weight: 33.0 kDa

UniProt: [Q9NS85](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2  $\mu$ m filtered solution of 25 mM Tris, 150 mM NaCl, pH 7.5.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.