Datasheet for ABIN7318231

CA10 Protein (His tag)

Go to Product page

Overview

Quantity:	50 µg
Target:	CA10
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CA10 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Carbonic Anhydrase 10/CA10 Protein (Human Cells, His Tag)
Sequence:	Gln22-Asn300
Characteristics:	Recombinant Human Carbonic Anhydrase 10 is produced by our Mammalian expression system and the target gene encoding Gln22-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 (CA10 Products)
Background:	Background: Carbonic Anhydrase X (CA10) belongs to CA family of zinc metalloenzymes, which catalyze the reversible hydration of carbon dioxide in various biological processes such as

Target Details

	respiration, renal tubular acidification and bone resorption. While CA10 is a secreted protein without Carbonic Anhydrase activity (i.e., the reversible hydration of CO2) due to point mutations in the zinc binding site, it has esterase activity. The human and mouse CA10 are expressed in the brain, indicating that they may play a role 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
Molecular Weight:	32.8 kDa
UniProt:	Q9NS85

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 μm filtered solution of 20 mM TrisHCl, 150 mM NaCl, pH 8.0.
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.