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Datasheet for ABIN7318240 CA11 Protein (His tag)

Overview

Quantity:	50 µg
Target:	CA11
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CA11 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human CA11 Protein (His Tag)
Sequence:	His24-Arg328
Characteristics:	Recombinant Human Carbonic Anhydrase 11 is produced by our Mammalian expression system and the target gene encoding His24-Arg328 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:	CA11
Alternative Name:	CA11 (CA11 Products)
Background:	Background: Carbonic Anhydrase-Related Protein 11 (CA11) is a secreted protein member of the α-carbonic anhydrase family. Carbonic Anhydrases (CAs) are a large family of zinc

Target Details

metalloenzymes that catalyze the reversible hydration of carbon dioxide. They participate in a variety of biological processes, including respiration, calcification, acid-base balance, bone resorption, and the formation of aqueous humor, cerebrospinal fluid, saliva, and gastric acid.

CA11 is expressed abundantly in the brain with moderate expression also present in spinal cord and thyroid. CA11 may play a general role in the central nervous system.

Synonym: Carbonic Anhydrase-Related Protein 11, CA-RP XI, CA-XI, CARP XI, Carbonic Anhydrase-Related Protein 2, CA-RP II, CARP-2, CA11, CARP2

Molecular Weight: 35.1 kDa

UniProt: [O75493](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.