Datasheet for ABIN7538160

CA9 Protein (AA 38-398) (His tag)

1 Image

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Overview

Quantity:	50 µg
Target:	CA9
Protein Characteristics:	AA 38-398
Origin:	Cynomolgus
Source:	Mammalian Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CA9 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Cynomolgus CA9 protein with C-terminal 10xHis tag
Specificity:	CA9 (Gln38-Leu398) 10xHis tag
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 85 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	CA9
Alternative Name:	CA9 (CA9 Products)
Background:	Carbonic anhydrases (CAs) are a large family of zinc metalloenzymes that catalyze the

Target Details

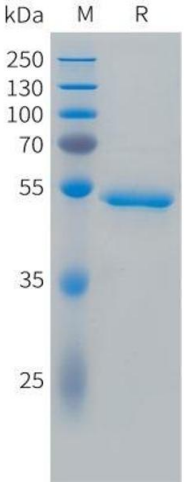
	reversible hydration of carbon dioxide. They participate in a variety of biological processes, including respiration, calcification, acid-base balance, bone resorption, and the formation of aqueous humor, cerebrospinal fluid, saliva, and gastric acid. They show extensive diversity in tissue distribution and in their subcellular localization. CA IX is a transmembrane protein and is one of only two tumor-associated carbonic anhydrase isoenzymes known. It is expressed in all clear-cell renal cell carcinoma, but is not detected in normal kidney or most other normal tissues. It may be involved in cell proliferation and transformation. This gene was mapped to 17q21.2 by fluorescence in situ hybridization, however, radiation hybrid mapping localized it to 9p13-p12. [provided by RefSeq, Jun 2014]
Molecular Weight:	predicted molecular mass of 41.0 kDa after removal of the signal peptide. The apparent molecular mass of cCA9-His is 35-55 kDa due to glycosylation.
UniProt:	A0A2K5VQG9

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months



SDS-PAGE

Image 1. Cynomolgus CA9 Protein, His Tag on SDS-PAGE under reducing condition.

