

Datasheet for ABIN7319776
CA9 Protein (His tag,Biotin)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	CA9
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CA9 protein is labelled with His tag,Biotin.

Product Details

Purpose:	Recombinant Human Carbonic Anhydrase IX/CA9 (C-Avi-6His) Biotinylated
Sequence:	Gln38-Asp414
Characteristics:	Biotinylated Recombinant Human Carbonic Anhydrase 9 is produced by our Mammalian expression system and the target gene encoding Gln38-Asp414 is expressed with a 6His, Avi 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:	CA9
Alternative Name:	CA9 (CA9 Products)
Background:	Background: Carbonic anhydrases IX (CA IX), also known as membrane antigen MN or CA9, is a member of the carbonic anhydrase (CA) family and may be involved in cell proliferation and

Target Details

cellular transformation. CAs are zinc metalloenzymes that catalyze the reversible hydration of carbon dioxide ($\text{H}_2\text{O} + \text{CO}_2 = \text{H}^+ + \text{HCO}_3^-$) and thus participate in a variety of biological and physical processes. CA9 is a transmembrane enzyme expressed primarily in carcinoma cells. It is one of the best markers for hypoxia and for RCC. Appears to be a novel specific biomarker for a cervical neoplasia.

Synonym: CA9, CA-IX, Carbonic Anhydrase IX, Carbonate dehydratase IX, G250, MN, P54/58N, RCC, RCC-associated protein G250

Molecular Weight: 43.6 kDa

UniProt: [Q16790](#)

Application Details

Comment: 60 kDa

Restrictions: For Research Use only

Handling

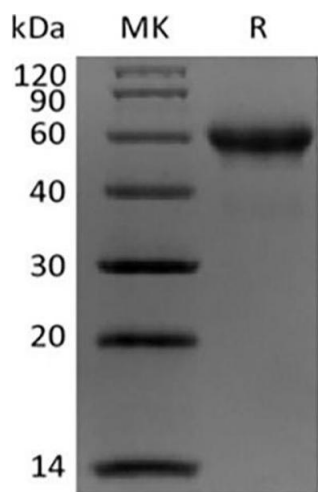
Format: Lyophilized

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

Buffer: Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.

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.



Western Blotting

Image 1.