

Datasheet for ABIN7320152

CA8 Protein (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	CA8
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CA8 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse Carbonic Anhydrase VIII/CA8 Protein (His Tag)(Active)
Sequence:	Met 1-Gln 291
Characteristics:	A DNA sequence encoding the mouse CA8 (P28651) (Met 1-Gln 291) was expressed, with a C-terminal polyhistidine tag.
Purity:	> 88 % as determined by SDS-PAGE
Biological Activity Comment:	Measured by its esterase activity. The specific activity is >5 pmoles/min/µg.

Target Details

Target:	CA8
Alternative Name:	Carbonic Anhydrase VIII/CA8 (CA8 Products)
Background:	Background: The carbonic anhydrases (or carbonate dehydratases) are classified as

Target Details

metalloenzyme for its zinc ion prosthetic group and form a family of enzymes that catalyze the rapid interconversion of carbon dioxide and water to bicarbonate and protons, a reversible reaction that takes part in maintaining acid-base balance in blood and other tissues. The carbonic anhydrase I (CA) family consists of at least 11 enzymatically active members and a few inactive homologous proteins. Carbonic anhydrase protein (CA) VIII, which is a member of the CA gene family, has been shown to have no catalytic CA activity and its biological function is still unknown. Increased expression of CA-RP VIII was observed in 78 % of colorectal carcinomas. It suggested that CA-RP VIII plays a role in the process of invasion in colorectal cancer.

Synonym: AW546993,Ca8,Cals,Cals1,Car8,Carp,RP23-180H12.1,wil

Molecular Weight: 34.5 kDa

UniProt: [P28651](#)

Application Details

Restrictions: For Research Use only

Handling

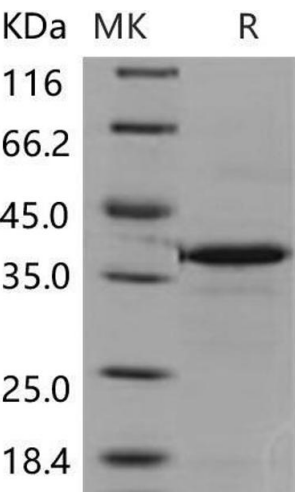
Format: Lyophilized

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

Buffer: Lyophilized from sterile 50 mM Tris, 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.



Western Blotting

Image 1.