

Datasheet for ABIN7491097

CA12 Protein (AA 25-301) (Fc Tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	CA12
Protein Characteristics:	AA 25-301
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CA12 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant human CA12 protein with C-terminal human Fc tag
Specificity:	CA12 (Ala25-Ser301) hFc (Glu99-Ala330)
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	CA12
Alternative Name:	CA12 (CA12 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. This gene product is a type I membrane protein that is highly expressed in normal tissues, such as kidney, colon and pancreas, and has been found to be overexpressed in 10 % of clear cell renal carcinomas. Three transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq, Jun 2014]

Molecular Weight: predicted molecular mass of 57.3 kDa after removal of the signal peptide. The apparent molecular mass of CA12-hFc is 55-70 kDa due to glycosylation.

UniProt: [O43570](#)

Application Details

Restrictions: For Research Use only

Handling

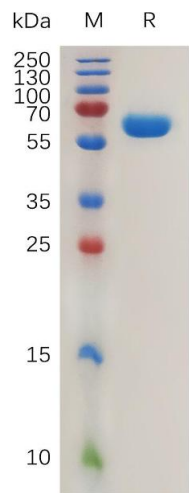
Format: Lyophilized

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. Human CA12 Protein, hFc Tag on SDS-PAGE under reducing condition.