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## Datasheet for ABIN7491097 CA12 Protein (Fc Tag)

### Overview

Quantity:	100 µg
Target:	CA12
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
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 ( <a href="#">CA12 Products</a> )
Background:	CA-XII Description: Carbonic anhydrases (CAs) are a large family of zinc 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

## Target Details

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:** 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