

## Product datasheet

# Recombinant Human CA8 protein ab123192

1 Image

### Overview

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**Product name** Recombinant Human CA8 protein

**Protein length** Full length protein

### Description

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**Nature** Recombinant

**Source** Escherichia coli

### Amino Acid Sequence

**Accession** [P35219](#)

**Species** Human

**Sequence** MGSSHHHHHH SSGLVPRGSH MGSHMADLSF  
 IEDTVAFPEK EEDEEEEEEG VEWGYEEGVE  
 WGLVFPDANG EYQSPINLNS REARYDPSLL  
 DVRLSPNYVV CRDCEVTNDG HTIQVILKSK  
 SVLSSGGPLPQ GHEFELYEVR FHWGRENQRG  
 SEHTVNFKAF PMELHLIHWN STLFGSIDEA  
 VGKPHGIAII ALFVQIGKEH VGLKAVTEIL  
 QDIQYKGKSK TIPCFNPNTL LPDPLLRDYW  
 VYEGSLTIPP CSEGVTWILF RYPLTISQLQ  
 IEEFRRLRTH VKGAELVEGC DGILGDNFRP  
 TQPLSDRVIR AAFQ

**Molecular weight** 36 kDa including tags

**Amino acids** 1 to 290

**Tags** His tag N-Terminus

### Specifications

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Our [Abpromise guarantee](#) covers the use of **ab123192** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

**Applications** Mass Spectrometry

SDS-PAGE

**Mass spectrometry** MALDI-TOF

<b>Purity</b>	> 90 % SDS-PAGE. ab123192 is purified using conventional chromatography techniques.
<b>Form</b>	Liquid

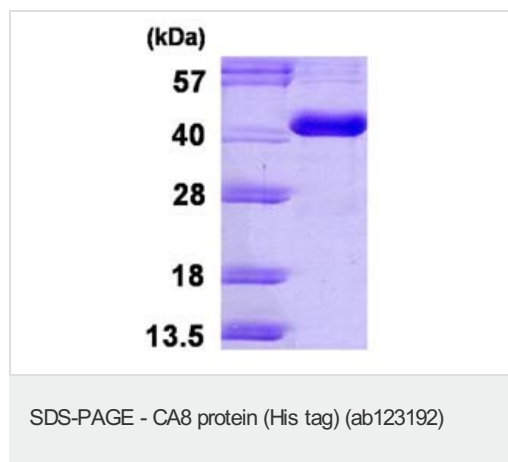
## Preparation and Storage

<b>Stability and Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. pH: 8.00 Constituents: 0.02% DTT, 0.32% Tris HCl, 20% Glycerol
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## General Info

<b>Function</b>	Does not have a carbonic anhydrase catalytic activity.
<b>Involvement in disease</b>	Defects in CA8 are the cause of cerebellar ataxia mental retardation and dysequilibrium syndrome type 3 (CMARQ3) [MIM:613227]. CMARQ3 is a congenital cerebellar ataxia associated with dysarthria, quadrupedal gait and mild mental retardation.
<b>Sequence similarities</b>	Belongs to the alpha-carbonic anhydrase family.

## Images



15% SDS-PAGE showing ab123192 (3µg).

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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