

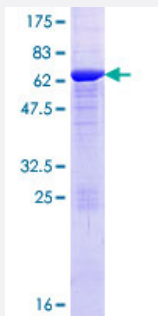
Full-Length

## CA8 (Human) Recombinant Protein (P01)

Catalog # H00000767-P01

Size 10 ug, 25 ug

### Applications



### Specification

#### Product Description

Human CA8 full-length ORF ( NP\_004047.3, 1 a.a. - 290 a.a.) recombinant protein with GST-tag at N-terminal.

#### Sequence

MADLSFIEDTVAFPEKEEDEEEEEEGVEWGYEEGVEWGLVFPDANGEYQSPINLNSREARYDPS  
LLDVRLSPNYVVCRDCEVTNDGHTIQVILKSKSVLSGGPLPQGHEFELYEVRFHWGRENQRGSE  
HTVNFKAFPMELHLIHWNSTLFGSIDEAVGKPHGIAIALFVQIGKEHVGLKAVTEILQDIQYKGKSKTI  
PCFNPTLLPDLLRDYWVYEGSLTIPPCSEGVTWILFRYPLTISQLQIEEFRRRLRTHVKGAELVEG  
CDGILGDNFRPTQPLSDRVIRAAFQ

#### Host

Wheat Germ (in vitro)

#### Theoretical MW (kDa)

59.4

#### Interspecies Antigen Sequence

Mouse (99); Rat (99)

#### Preparation Method

[in vitro wheat germ expression system](#)

#### Purification

Glutathione Sepharose 4 Fast Flow

#### Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

#### Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction**

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Note**

Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — CA8

**Entrez GeneID**[767](#)**GeneBank Accession#**[NM\\_004056.4](#)**Protein Accession#**[NP\\_004047.3](#)**Gene Name**

CA8

**Gene Alias**

CA-VIII, CALS, CARP, MGC120502, MGC99509

**Gene Description**

carbonic anhydrase VIII

**Omim ID**[114815](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene was initially named CA-related protein because of sequence similarity to other known carbonic anhydrase genes. However, the gene product lacks carbonic anhydrase activity (i.e., the reversible hydration of carbon dioxide). The gene product continues to carry a carbonic anhydrase designation based on clear sequence identity to other members of the carbonic anhydrase gene family. The absence of CA8 gene transcription in the cerebellum of the lurcher mutant in mice with a neurologic defect suggests an important role for this acatalytic form. [provided by RefSeq]

**Other Designations**

CA-related protein|carbonate dehydratase|carbonic anhydrase-like sequence|carbonic anhydrase-related protein

## Pathway

- [Nitrogen metabolism](#)

## Disease

- [Genetic Predisposition to Disease](#)
- [Osteoporosis](#)