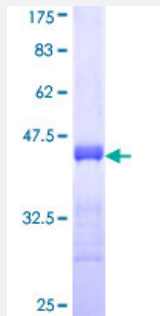


# CA8 (Human) Recombinant Protein (Q01)

Catalog # H00000767-Q01

Size 25 ug, 10 ug

## Applications



## Specification

<b>Product Description</b>	Human CA8 partial ORF ( NP_004047, 40 a.a. - 139 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Sequence</b>	VFPDANGEYQSPINLNSREARYDPSLLDVRLSPNYVVCRDCEVTNDGHTIQVILKSKSVLSGGPLP QGHEFELYEVRFHWGRENQRGSEHTVNFKAFPME
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	36.74
<b>Interspecies Antigen Sequence</b>	Mouse (99); Rat (99)
<b>Preparation Method</b>	<a href="#">in vitro wheat germ expression system</a>
<b>Purification</b>	Glutathione Sepharose 4 Fast Flow
<b>Quality Control Testing</b>	12.5% SDS-PAGE Stained with Coomassie Blue.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	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](#)

Protein Accession# [NP\\_004047](#)

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](#)