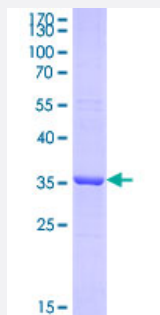


CA2 (Human) Recombinant Protein (Q01)

Catalog # H00000760-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CA2 partial ORF (NP_000058.1, 191 a.a. - 260 a.a.) recombinant protein with GST tag at N-terminal.
Sequence	WTYPGSLTTPPLLECVTWVLKEPISVSSEQLKFRKLNFNNGEGEPEELMVDNWRPAQPLKNRQIKASFK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	33.33
Interspecies Antigen Sequence	Mouse (84); Rat (90)
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 — CA2

Entrez GeneID [760](#)

GeneBank Accession# [NM_000067.1](#)

Protein Accession# [NP_000058.1](#)

Gene Name CA2

Gene Alias CA-II, CAII, Car2

Gene Description carbonic anhydrase II

Omim ID [259730 611492](#)

Gene Ontology [Hyperlink](#)

Gene Summary CA2 is one of several (at least 7) isozymes of carbonic anhydrase. Carbonic anhydrase catalyzes reversible hydration of carbon dioxide. Defects in this enzyme are associated with osteopetrosis and renal tubular acidosis. [provided by RefSeq]

Other Designations carbonate dehydratase II|carbonic anhydrase B|carbonic dehydratase

Pathway

- [Nitrogen metabolism](#)

Disease

- [Genetic Predisposition to Disease](#)

- [Osteoporosis](#)