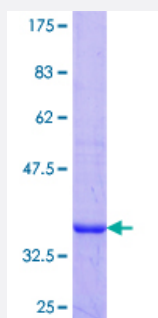


CA11 (Human) Recombinant Protein (Q01)

Catalog # H00000770-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CA11 partial ORF (NP_001208.2, 227 a.a. - 328 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	LPESFGFITYQGSLSTPPCSETVTWILIDRALNITSLQMHSRLRLSQNPSPQIFQSLSGNSRPLQPL AHRALRGNRDPRHPERRCRGPNYRLHVDGVPHGR
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (98); Rat (98)
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 — CA11

Entrez GeneID [770](#)

GeneBank Accession# [NM_001217](#)

Protein Accession# [NP_001208.2](#)

Gene Name CA11

Gene Alias CARP2, CARPX1

Gene Description carbonic anhydrase XI

Omim ID [604644](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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 aqueous humor, cerebrospinal fluid, saliva, and gastric acid. They show extensive diversity in tissue distribution and in their subcellular localization. CA XI is likely a secreted protein, however, radical changes at active site residues completely conserved in CA isozymes with catalytic activity, make it unlikely that it has carbonic anhydrase activity. It shares properties in common with two other acatalytic CA isoforms, CA VIII and CA X. CA XI is most abundantly expressed in brain, and may play a general role in the central nervous system. [provided by RefSeq]

Other Designations carbonic anhydrase-related protein 2|carbonic anhydrase-related protein XI