

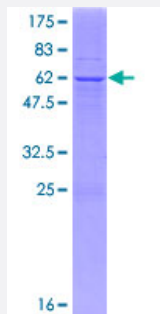
Full-Length

CA6 (Human) Recombinant Protein (P01)

Catalog # H00000765-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human CA6 full-length ORF (NP_001206.2, 1 a.a. - 308 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MRALVLLLSLFLGGQAQHVSDWTYSEGALDEAHWPQHYPACGGQRQSPINLQRTKVRYNPSLK
GLNMTGYETQAGEFPMVNNGHTVQISLPSTMRMTVADGTVYIAQQMHFWGGASSEISGSEHTV
DGIRHVIEIHVHYNKYKSYDIAQDAPDGLAVLA AFVEVKNY PENTYYSNFISHLANIKYPGQRTTLTG
LDVQDMLPRNLQHYTYHGSLTPPC TENVHWFVLADFVKLSRTQVWKLENSLLDHRNKTIHNDY
RRTQPLNHRVVESNFPNQEYTLGSEFQFYLHKIEILDYLRRALN

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

61.8

Interspecies Antigen Sequence

Mouse (54); Rat (57)

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 — CA6

Entrez GeneID[765](#)**GeneBank Accession#**[NM_001215.2](#)**Protein Accession#**[NP_001206.2](#)**Gene Name**

CA6

Gene Alias

GUSTIN, MGC21256

Gene Description

carbonic anhydrase VI

Omim ID[114780](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene is one of several isozymes of carbonic anhydrase. This protein is found only in salivary glands and saliva and protein may play a role in the reversible hydration of carbon dioxide though its function in saliva is unknown. [provided by RefSeq]

Other Designations

OTTHUMP00000001699|carbonate dehydratase VI|carbonic anhydrase VI nirs variant 1|carbonic anhydrase VI nirs variant 3

Pathway

- [Nitrogen metabolism](#)

Disease

- [Colorectal Neoplasms](#)
- [Dental Caries](#)
- [Dental Plaque](#)
- [Genetic Predisposition to Disease](#)
- [Taste Threshold](#)
- [Tobacco Use Disorder](#)