

Recombinant Human CA4 Protein, GST-Tagged

Cat. No. CA4-0240H **Lot. No.** (See product label)

SPECIFICATION

Product Overview Human CA4 full-length ORF (AAH57792, 19 a.a. - 312 a.a.) recombinant protein with GST-tag at N-terminal.

Species Human

Source Wheat Germ

Description 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. This gene encodes a glycosylphosphatidylinositol-anchored membrane isozyme expressed on the luminal surfaces of pulmonary (and certain other) capillaries and proximal renal tubules. Its exact function is not known; however, it may have a role in inherited renal abnormalities of bicarbonate transport. [provided by RefSeq, Jul 2008]

Molecular Mass 58.08 kDa

AA Sequence AESHWCYEVQAESSNYPCLVPVKWGGNCQKDRQSPINIVTTKAKVDKKLGRFFFSG
YDKKQTTWTVQNNGHSVMMLENKASISGGGLPAPYQAKQLHLHWSLDPYKGEHS
LDGEHFAMEMHIVHEKEKGTSRNVKEAQDPEDEIAVLAFLVEAGTQVNEGFQPLVE
ALSNIPKPEMSTTMAESSLLDLLPKEEKLRYFRYLGSLTTPCDEKVVWTVFREPIQ
LHREQILAFSQKLYYDKEQTVSMKDNVRPLQQLGQRTVIKSGAPGRPLPWALPALL

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GPMLACLLAGFLR

Applications

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

Notes

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

Storage

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

Storage Buffer

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

GENE INFORMATION

Gene Name

CA4 carbonic anhydrase IV [Homo sapiens]

Official Symbol

CA4

Synonyms

CA4; carbonic anhydrase IV; retinitis pigmentosa 17 (autosomal dominant), RP17; carbonic anhydrase 4; CAIV; Car4; CA-IV; carbonic dehydratase IV; carbonate dehydratase IV; RP17;

Gene ID

762

mRNA Refseq

NM_000717

Protein Refseq

NP_000708

MIM

114760

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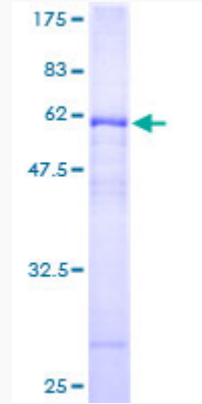
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UniProt ID

P22748

Quality Control
Testing



12.5% SDS-PAGE Stained with Coomassie Blue.

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