

Recombinant Human CA14 Protein, GST-Tagged

Cat. No. CA14-0236H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CA14 full-length ORF (NP_036245.1, 1 a.a. - 337 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	<p>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.</p> <p>They show extensive diversity in tissue distribution and in their subcellular localization. CA XIV is predicted to be a type I membrane protein and shares highest sequence similarity with the other transmembrane CA isoform, CA XII; however, they have different patterns of tissue-specific expression and thus may play different physiologic roles. [provided by RefSeq, Jul 2008]</p>
Molecular Mass	64.1 kDa
AA Sequence	<p>MLFSALLLEVIWILAADGGQHWTYEGPHGQDHWPA SYPECGNNAQSPIDIQTDSVT FDPDLPALQPHGYDQPGTEPLDLHNNGHTVQLSLPSTLYLGGLPRKYVAAQLHLHW GQKGSPGGSEHQINSEATFAELHIVHYDSDSYDSLSEAAERPQGLAVLGILIEVGETK NIAYEHILSHLHEVRHKDQKTSVPPFNLRELLPKQLGQYFRYNGSLTTPPCYQSVLW TVFYRRSQISMEQLEKLGTLFSTEEEPSKLLVQNYRALQPLNQRMV FASFIQAGSS</p>

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YTTGEMLSLGVGILVGCLCLLLAVYFIARKIRKKRLENRKSVVFTSAQATTEA

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

CA14 carbonic anhydrase XIV [Homo sapiens]

Official Symbol

CA14

Synonyms

CA14; carbonic anhydrase XIV; carbonic anhydrase 14; CA-XIV; carbonic dehydratase; carbonate dehydratase XIV; CAXiV;

Gene ID

23632

mRNA Refseq

NM_012113

Protein Refseq

NP_036245

MIM

604832

UniProt ID

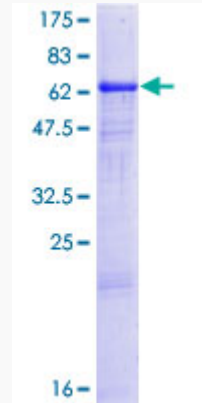
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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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