

## Recombinant Human CA7 Protein, GST-Tagged

**Cat. No.** CA7-0247H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human CA7 full-length ORF (AAH33865, 1 a.a. - 264 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	<p>Carbonic anhydrases 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. The cytosolic protein encoded by this gene is predominantly expressed in the salivary glands. Alternative splicing in the coding region results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]</p>
<b>Molecular Mass</b>	54.67 kDa
<b>AA Sequence</b>	<p>MTGHHGWGYGQDDGPSHWHKLYPIAQGDRQSPINIISSQAVYSPSLQPLELSYEAC          MSLSITNNGHSVQVDFNDSDDRTVVTGGPLEGPYRLKQFHFWGKKHDVVGSEHTV          DGKSFPELHLVHWNACKYSTFGEAASAPDGLAVVGVFLETGDEHPSMNRLTDALY          MVRFKGTKAQFSCFNPKCLLPASRHYWYTPGSLTTPPLSESVTWIVLREPICISERQ          MGKFRSLLFTSEDDERIHMVNNFRPPQPLKGRVVKASFRA</p>
<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay

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Western Blot (Recombinant protein)  
 Antibody Production  
 Protein Array

<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

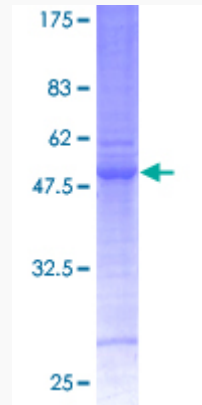
<b>Gene Name</b>	CA7 carbonic anhydrase VII [ Homo sapiens ]
<b>Official Symbol</b>	CA7
<b>Synonyms</b>	CA7; carbonic anhydrase VII; carbonic anhydrase 7; CA-VII; carbonic dehydratase VII; carbonate dehydratase VII; CAVII;
<b>Gene ID</b>	766
<b>mRNA Refseq</b>	NM_001014435
<b>Protein Refseq</b>	NP_001014435
<b>MIM</b>	114770
<b>UniProt ID</b>	P43166

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**Quality Control  
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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