Recombinant Full Length Human CA7 Protein, GST-tagged

Cat. No. CA7-2743HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CA7 full-length ORF (AAH33865, 1 a.a. - 264 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	264 amino acids
Description	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]
Molecular Mass	54.67 kDa
AA Sequence	MTGHHGWGYGQDDGPSHWHKLYPIAQGDRQSPINIISSQAVYSPSLQPLELSYEAC MSLSITNNGHSVQVDFNDSDDRTVVTGGPLEGPYRLKQFHFHWGKKHDVGSEHTV DGKSFPSELHLVHWNAKKYSTFGEAASAPDGLAVVGVFLETGDEHPSMNRLTDALY MVRFKGTKAQFSCFNPKCLLPASRHYWTYPGSLTTPPLSESVTWIVLREPICISERQ MGKFRSLLFTSEDDERIHMVNNFRPPQPLKGRVVKASFRA

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

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