

Recombinant Human CA7 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CA7-1284H Lot. No. (See product label)

SPECIFICATION

Product Overview	CA7 MS Standard C13 and N15-labeled recombinant protein (NP_001014435) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	<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.</p> <p>They show extensive diversity in tissue distribution and in their subcellular localization. The cytosolic protein encoded by this gene is predominantly expressed in the brain and contributes to bicarbonate driven GABAergic neuron excitation.</p> <p>Alternative splicing in the coding region results in multiple transcript variants encoding different isoforms.</p>
Molecular Mass	23.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.

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Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	CA7 carbonic anhydrase VII [Homo sapiens (human)]
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

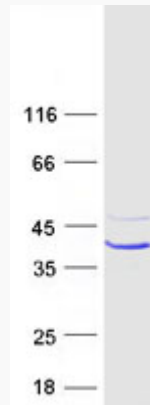
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SDS-PAGE



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