

Recombinant Human CA5B Protein, MYC/DDK-tagged

Cat. No. CA5B-2267H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human CA5B protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293
Species	Human
Source	HEK293
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. They show extensive diversity in tissue distribution and in their subcellular localization. CA VB is localized in the mitochondria and shows the highest sequence similarity to the other mitochondrial CA, CA VA. It has a wider tissue distribution than CA VA, which is restricted to the liver. The differences in tissue distribution suggest that the two mitochondrial carbonic anhydrases evolved to assume different physiologic roles. [provided by RefSeq, Jul 2008].</p>
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	32.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

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GENE INFORMATION

Gene Name CA5B carbonic anhydrase VB, mitochondrial [Homo sapiens]

Official Symbol CA5B

Synonyms CA-VB; CA-VB

Gene ID 11238

mRNA Refseq NM_007220

Protein Refseq NP_009151

MIM 300230

UniProt ID Q9Y2D0

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