

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	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].
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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