

Product datasheet for TP720091

CA5B (NM_007220) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins Description: Recombinant protein of human carbonic anhydrase VB, mitochondrial (CA5B), nuclear gene encoding mitochondrial protein Species: Human **Expression Host:** E. coli **Expression cDNA Clone** Cys34-Pro317 or AA Sequence: C-His Tag: Predicted MW: 33.8 kDa **Concentration:** lot specific **Purity:** >95% as determined by SDS-PAGE and Coomassie blue staining **Buffer:** Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl Endotoxin: < 0.1 EU per µg protein as determined by LAL test Store at -80°C. Storage: Stable for at least 3 months from date of receipt under proper storage and handling Stability: conditions. RefSeq: NP 009151 Locus ID: 11238 **UniProt ID:** Q9Y2D0, A0A024RBW9 Cytogenetics: Xp22.2 Synonyms: CA-VB; CAVB



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GRIGENE CA5B (NM_007220) Human Recombinant Protein – TP720091

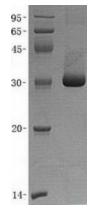
Summary: Carbonic anhydrases (CAs) are a large family of zinc metalloenzymes that catalyze the reversible hydration of carbon dioxide. They participate in a variety of biological processes, including respiration, calcification, acid-base balance, bone resorption, and the formation of aqueous humor, cerebrospinal fluid, saliva, and gastric acid. They show extensive diversity in tissue distribution and in their subcellular localization. This gene encodes carbonic anhydrase 5B. CA5B, and the related CA5A gene, has its expression localized in the mitochondria though CA5B has a wider tissue distribution than CA5A, which is restricted to the liver, kidneys, and skeletal muscle. A carbonic anhydrase pseudogene (CA5BP1) is adjacent to the CA5B gene and these two loci produce CA5BP1-CA5B readthrough transcripts. [provided by RefSeq, Jan 2019]

Protein Families:	Druggable Genome

Protein Pathways:

Nitrogen metabolism

Product images:



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