

Active Recombinant Human CA5B Protein, His-tagged

Cat. No. CA5B-577H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CA5B (Accession # NP_009151) Cys34-Pro317, fused with a C-terminal 10-His tag, was produced in E. coli.
Species	Human
Source	E.coli
ProteinLength	Cys34-Pro317
Predicted N Terminal	Cys34 & Ser35
Form	Supplied as a 0.2 µ filtered solution in Tris and NaCl.
Bio-activity	Measured by its esterase activity. The specific activity is >150 pmol/min/µg, as measured under the described conditions.
Molecular Mass	Recombinant Human CA5B, His-tagged has a calculated MW of 34 kDa. In SDS-PAGE migrates as 34 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

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Reconstitution

Reconstitute at 100 µg/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.

GENE INFORMATION
Gene Name

CA5B carbonic anhydrase VB, mitochondrial [Homo sapiens]

Official Symbol

CA5B

Synonyms

CA5B; carbonic anhydrase VB, mitochondrial; carbonic anhydrase 5B, mitochondrial; carbonic dehydratase; carbonate dehydratase VB; CA-VB; MGC39962;

Gene ID

11238

mRNA Refseq

NM_007220

Protein Refseq

NP_009151

MIM

300230

UniProt ID

Q9Y2D0

**Chromosome
Location**

Xp22.1

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