

Recombinant Rat Ca5b protein, His-tagged

Cat. No. Ca5b-7838R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Ca5b aa. (Glu174~Thr311 (Accession # Q66HG6)) fused with N-terminal His tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Glu174~Thr311
Form	Freeze-dried powder
Molecular Mass	17 kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 7.2.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the

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Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

Storage Buffer

Supplied as liquid form in Phosphate buffered saline(PBS), pH 7.4.

Reconstitution

Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name

Ca5b carbonic anhydrase 5B [*Rattus norvegicus* (Norway rat)]

Official Symbol

Ca5b

Synonyms

Ca5b; carbonic anhydrase 5B; Car5b; carbonic anhydrase 5B, mitochondrial; CA-VB; carbonate dehydratase VB; carbonic anhydrase VB, mitochondrial

Gene ID

302669

mRNA Refseq

NM_001005551.2

Protein Refseq

NP_001005551.1

UniProt ID

Q66HG6

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