

Recombinant Rat Ca5a protein, His-tagged

Cat. No. Ca5a-7851R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Ca5a aa. (Tyr12~Leu219 (Accession # P43165)) fused with N-terminal His tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Tyr12~Leu219
Description	Mitochondrial protein that may be involved in gluconeogenesis and ureagenesis.
Form	Freeze-dried powder
Molecular Mass	25 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 6.7.
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

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at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the 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

Ca5a carbonic anhydrase 5A [Rattus norvegicus (Norway rat)]

Official Symbol

Ca5a

Synonyms

Ca5a; carbonic anhydrase 5A; Ca5; Car5a; carbonic anhydrase 5A, mitochondrial; CA-VA; carbonate dehydratase VA; carbonic anhydrase 5 mitochondrial; carbonic anhydrase Va, mitochondrial

Gene ID

54233

mRNA Refseq

NM_019293.3

Protein Refseq

NP_062166.1

UniProt ID

P43165

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