

Recombinant Rat Car3 protein, His & T7-tagged

Cat. No. Car3-7834R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Car3 aa. (Asn27~Val217 (Accession # P14141)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Asn27~Val217
Description	Catalyzes hydration of carbon dioxide; may be involved in cellular response to oxidative stress.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 25.5kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 6.8.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate

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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 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 lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

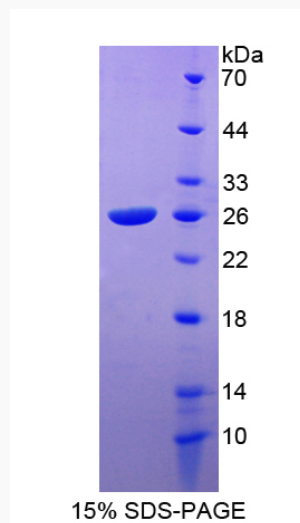
Gene Name	Car3 carbonic anhydrase 3 [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	Car3
Synonyms	Car3; carbonic anhydrase 3; Ca3; CA-III; carbonate dehydratase III; carbonic anhydrase III
Gene ID	54232
mRNA Refseq	NM_019292.4
Protein Refseq	NP_062165.2
UniProt ID	P14141

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SDS-PAGE



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