

Recombinant Rat Bckdk protein, His & T7-tagged

Cat. No. Bckdk-1689R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Bckdk aa. (Arg44~Thr223 (Accession # Q00972)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Arg44~Thr223
Description	Mitochondrial kinase; involved in oxidative degradation of branched-chain amino acids.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 24.5kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. 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. The loss rate is less

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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.

Isoelectric Point

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GENE INFORMATION

Gene Name

Bckdk branched chain ketoacid dehydrogenase kinase [*Rattus norvegicus* (Norway rat)]

Official Symbol

[Bckdk](#)

Synonyms

Bckdk; branched chain ketoacid dehydrogenase kinase; [3-methyl-2-oxobutanoate dehydrogenase [lipoamide]] kinase, mitochondrial; BCKD-kinase; BCKDHKIN; branched-chain alpha-ketoacid dehydrogenase kinase

Gene ID

[29603](#)

mRNA Refseq

[NM_019244.2](#)

Protein Refseq

[NP_062117.2](#)

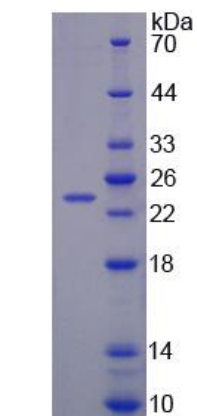
UniProt ID

[Q00972](#)

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SDS-PAGE**15% SDS-PAGE**

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