

Recombinant Rat Bcat1 protein, His & T7-tagged

Cat. No. Bcat1-1037R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Bcat1 aa. (Tyr179~Pro411 (Accession # P54690) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Tyr179~Pro411
Description	Catalyzes the conversion of L-leucine and 2-oxoglutarate to 4-methyl-2-oxopentanoate and L-glutamate; may be involved in response to neuronal injury.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 29.6kDa.
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 5.9.
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 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.

Reconstitution

Reconstitute in sterile ddH₂O.

GENE INFORMATION

Gene Name

Bcat1 branched chain amino acid transaminase 1 [*Rattus norvegicus* (Norway rat)]

Official Symbol

Bcat1

Synonyms

Bcat1; branched chain amino acid transaminase 1; Bcatc; branched-chain-amino-acid aminotransferase, cytosolic; BCAT(c); branched chain amino acid transaminase 1, cytosolic; branched chain aminotransferase 1, cytosolic

Gene ID

29592

mRNA Refseq

NM_017253.2

Protein Refseq

NP_058949.1

UniProt ID

P54690

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