Recombinant Rat Bcat2 protein, His & T7-tagged

Cat. No. Bcat2-1038R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Bcat2 aa. (Phe218~Val393 (Accession # O35854) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Phe218~Val393
Description	Mitochondrial branched-chain-amino-acid transaminase.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 23.5kDa.
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 6.
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

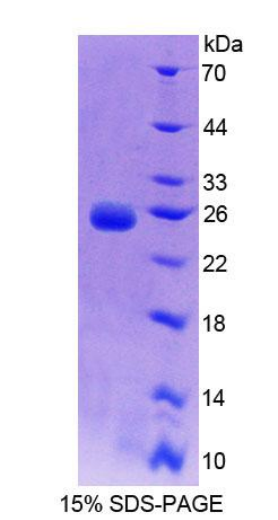
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	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	Bcat2 branched chain amino acid transaminase 2 [Rattus norvegicus (Norway rat)]
Official Symbol	Bcat2
Synonyms	Bcat2; branched chain amino acid transaminase 2; BCT2; Bcatm; mBcat; branched-chain-amino-acid aminotransferase, mitochondrial; BCAT(m); branched chain amino acid transaminase 2, mitochondrial; branched chain aminotransferase 2, mitochondrial; heart branched chain aminotransferase precursor encoding mitochondrial protein
Gene ID	64203
mRNA Refseq	NM_022400.1
Protein Refseq	NP_071795.1

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

UniProt ID	O35854
SDS-PAGE	

15% SDS-PAGE

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA