

Recombinant Mouse BCAT2 Protein (28-393 aa), His-Myc-tagged

Cat. No. BCAT2-2559M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse BCAT2 Protein (28-393 aa) is produced by E. coli expression system. This protein is fused with a 10xHis tag at the N-terminal and a Myc tag at the C-terminal. Research Area: Metabolism. Protein Description: Full Length of Mature Protein.
Species	Mouse
Source	E.coli
ProteinLength	28-393 aa
Description	Catalyzes the first reaction in the catabolism of the essential branched chain amino acids leucine, isoleucine, and valine. May also function as a transporter of branched chain alpha-keto acids.
Form	Tris-based buffer,50% glycerol
Molecular Mass	48.2 kDa
AA Sequence	VSSIFKAADLQIQMTKEPQKKPAPSQALLFGKTFTDHMLMVEWNNKAGWGPPRIQP FQNLTLHPACSLHYSLQLFEGLKAYKGGDQQVRLFRPWLNMDRMLRSARRLCLP DFDKQELLECI RQLIEVDKDWVPDNGTSLYVRPVLIGNEPSLGVGMVTQALLYVILC PVGSYFPGDSMTPVSLADPSFVRAWIGGVDCKLGGNYGPTVAVQREAQKRGCE QVLWLYGPDHQLTEVGTMNIFVYWTHEDGVLELVTPPLNGVILPGVVRQSLLDLART

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WGEFRVAERKVTMKELKRALEEGRVREVFSGGTACQVCPVHQILYEGKQLHIPTME
NGPELILRFQKELKAIQYGASAHDW MFRV

Purity > 85% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Gene Name [Bcat2 branched chain aminotransferase 2, mitochondrial \[Mus musculus \]](#)

Official Symbol [BCAT2](#)

Synonyms BCAT2; branched chain aminotransferase 2, mitochondrial; BCAT(m); Eca40; Bcat-2;

Gene ID [12036](#)

mRNA Refseq [NM_001243052](#)

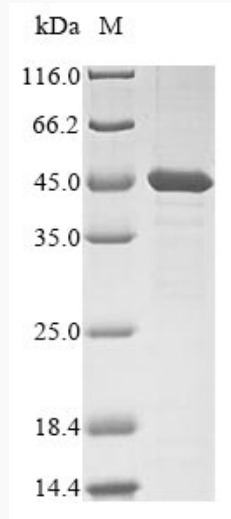
Protein Refseq [NP_001229981](#)

UniProt ID [O35855](#)

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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