

BCAT2 Protein, Mouse, Recombinant (His & Myc)

General Information

Synonyms:	Bcatm;BCAT(m);Bcat2;mitochondrial;Branched-chain-amino-acid aminotransferase, mitochondrial;Eca40
Protein Construction:	28-393 aa
Species:	Mouse
Expression Host:	E. coli
Accession:	O35855
Molecular Weight:	48.2 kDa (predicted)
AA Sequence:	VSSIFKAADLQIQMTKEPQKKPAPSQALLFGKTFDTHMLMVEWNNKAGWGPPRIQPFQNLTLHPACSGLHY SLQLFEGLKAYKGGDQQVRLFRPWLNMDRMLRSARRLCLPDFDKQELLECIHQIIEVDKDWVPDNGTSLYV RPVLIGNEPSLGVGMVTQALLYVILCPVGSYFPGDSMTVPVSLADPSFVRAWIGGVDCKLGGNYGPTVAVQ REAQKRGCEQVLWLYGPDHQLTEVGTMNIFVYWTHEDGVLELVTPPLNGVILPGVVRQSLDLARTWGEFRV AERKVTMKELKRALEEGRVREVFVSGTACQVCPVHQILYEGKQLHIPTMENGPELILRFQKELKAIQYGASAHD WMFRV

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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