

Recombinant Human BCAT2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. BCAT2-672H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	BCAT2 MS Standard C13 and N15-labeled recombinant protein (NP_001181) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a branched chain aminotransferase found in mitochondria. The encoded protein forms a dimer that catalyzes the first step in the production of the branched chain amino acids leucine, isoleucine, and valine. Multiple transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	44.3 kDa
AA Sequence	MAAAALGQIWARKLLSVPWLLCGPRRYASSSFKAADLQLEMTQKPHKKPGPGGEPLV FGKTFDTHMLMVEWNDKGWGQPRIQPFQNLTLHPASSSLHYSLQLFEGMKAFK GK DQQVRLFRPWLNM DRMLRSAMRLCLPSFDKLELLECIRRLIEVDKDWVPDAAGTSL YVRPVLIGNEPSLGVSQPTRALLFVILCPVGAYFPGGSVTPVSLLADPAFIRAWVGGV GNYKLGGNYGPTVLVQQEALKRGCEQVLWLYGPDHQLTEVGT MNIFVYWTHEDGV LELVTPPLNGVILPGVVRQSLDMAQTWGEFRVVERTITMKQLLRAL EEGRVREVF GSGTACQVCPVHRILYKDRNLHIPTMENGPELILRFQKELKEIQYGIRAH EWMFPVTRT RPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

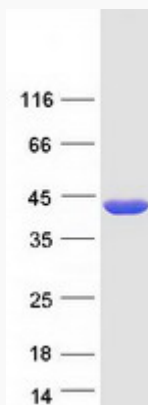
GENE INFORMATION

Gene Name	BCAT2 branched chain amino acid transaminase 2 [Homo sapiens (human)]
Official Symbol	BCAT2
Synonyms	BCAT2; branched chain amino-acid transaminase 2, mitochondrial; BCT2, branched chain aminotransferase 2, mitochondrial; branched-chain-amino-acid aminotransferase, mitochondrial; BCAM; placental protein 18; branched chain aminotransferase 2, mitochondrial; BCT2; PP18; BCATM;
Gene ID	587
mRNA Refseq	NM_001190
Protein Refseq	NP_001181
MIM	113530
UniProt ID	O15382

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SDS-PAGE

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