

Recombinant Full Length Human BCAT2 Protein, C-Flag-tagged

Cat. No. BCAT2-575HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human BCAT2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	41.2 kDa
AA Sequence	MAAAALGQIWARKLLSVPWLLCGPRRYASSSFKAADLQLEMTQKPHKKPGPGGEPLV FGKTFTDHMLMVEW NDKGWGQPRIQPFQNLTLHPASSSLHYSLQLFEGMKAFK GK DQQVRLFRPWLNM DRMLRSAMRLCLPSFD KLELLECIRRLIEVDKDWVPDAAGTSL YVRPVLIGNEPSLGVSQPTRALLFVILCPVGAYFPGGSVTPVS LLADPAFIRAWVGG VGNYKLGGNYGPTVLVQQEALKRGCEQVLWLYGPDHQLTEVGTMNIFVYWTHEDG V LELVTPPLNGVILPGVVRQSLLDMAQTWGEFRVVERTITMKQLLRALEEGRVREVF GSGTACQVCPVHRI LYKDRNLHIPTMENGPELILRFQKELKEIQYGIRAH EWMFPVTRTRPLEQKLISEEDLA

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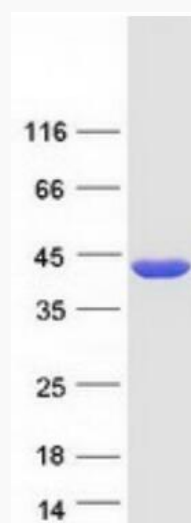
	ANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Metabolic pathways, Pantothenate and CoA biosynthesis, Valine, leucine and isoleucine biosynthesis, Valine, leucine and isoleucine degradation
Full Length	Full L.
GENE INFORMATION	
Gene Name	BCAT2 branched chain amino acid transaminase 2 [Homo sapiens (human)]
Official Symbol	BCAT2
Synonyms	BCAM; BCT2; HVLI; PP18; BCATM
Gene ID	587

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mRNA Refseq	NM_001190.4
Protein Refseq	NP_001181.2
MIM	113530
UniProt ID	O15382



Coomassie blue staining of purified BCAT2 protein.

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