

Recombinant Human BCAT2 cell lysate

Cat. No. BCAT2-162HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
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.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	BCAT2 branched chain amino-acid transaminase 2, mitochondrial [Homo sapiens]
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;

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Gene ID	587
mRNA Refseq	NM_001164773
Protein Refseq	NP_001158245
MIM	113530
UniProt ID	O15382
Chromosome Location	19
Pathway	Branched-chain amino acid catabolism, organism-specific biosystem; Leucine degradation, leucine =>acetoacetate + acetyl-CoA, organism-specific biosystem; Leucine degradation, leucine => acetoacetate + acetyl-CoA, conserved biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem;
Function	L-isoleucine transaminase activity; L-leucine transaminase activity; L-valine transaminase activity; branched-chain-amino-acid transaminase activity; transferase activity;