

Recombinant Human BCAT1 protein, T7-His-TEV cleavage site-tagged

Cat. No. BCAT1-1043H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human BCAT1(Met1-Pro461) fused with a small T7-His-TEV cleavage site Tag (29aa) fusion at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-461 a.a.
Form	1.0 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, Sucrose and DTT.
AA Sequence	MASMTGGQQMGRGRHHHHHHENLYFQGGFEKDCSNGCSAECTGEGGSKEVVGT KAKDLIVTPATILKEKPDNNLVFGTVFTDHMLTVEWSSEFGWEKPHIKPLQNL SLHPGSSALHYAVELFEGLKAFRGVDNKIRLFQPNLNMDRMYRSAVRATLPVFDKEELLEC IQQLVKLDQEWVPYSTSASLYIRPTFIGTEPSLGVKKPTKALLFVLLSPVGPYFSSGTF NPVSLWANPKYVRAWKGGTGDCKMGGNYGSSLFAQCEAVDNGCQQVLWLYGED HQITEVGTMNLFLYWINEEDGEEEELATPPLDGIILPGVTRRCILDLAHQWGEFKVSERY LTMDDLTTALEGNRVREMFSGTACVVCPVSDILYKGETIHIPTMENGPKLASRILSK LTDIQYGREESDWTIVLS
Purity	> 90% by SDS-PAGE.
Storage	In Liquid. Keep at -80 centigrade for long term storage. Product is stable at 4

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centigrade for at least 30 days.

GENE INFORMATION

Gene Name BCAT1 branched chain amino-acid transaminase 1, cytosolic [Homo sapiens]

Official Symbol BCAT1

Synonyms BCAT1; branched chain amino-acid transaminase 1, cytosolic; BCT1, branched chain aminotransferase 1, cytosolic; branched-chain-amino-acid aminotransferase, cytosolic; placental protein 18; branched chain aminotransferase 1, cytosolic; BCT1; PP18; BCATC; ECA39; MECA39; PNAS121; DKFZp686E12175;

Gene ID 586

mRNA Refseq NM_005504

Protein Refseq NP_005495

MIM 113520

UniProt ID P54687

Chromosome Location 12pter-q12

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;

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