

AR50304PU-S

Human BCAT1 (1-386, His-tag) - Purified

Alternate names:	BCAT(c), BCT1, Branched-chain-amino-acid aminotransferase cytosolic, ECA39
Quantity:	0.1 mg
Concentration:	1 mg/ml (determined by Bradford assay)
Background:	BCAT1, also known as branched chain amino-acid transaminase, cytosolic, catalyzes the first reaction in the catabolism of the essential branched chain amino acids leucine, isoleucine, and valine.
Uniprot ID:	P54687
NCBI:	NP_005495
GeneID:	586
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >90% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT
Description:	Recombinant human BCAT1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography. AA Sequence: MGSSHHHHH SSGLVPRGSH MGSMKDCSNG CSAECTGEGG SKEVVGTFKA KDLIVTPATI LKEKDPNNL VFGTVFTDHM LTVEWSSEFG WEKPHIKPLQ NLSLHPGSSA LHYAVELFEG LKAFRGVDNK IRLFQPNLNM DRMYRSAVRA TLPVFDKEEL LECIQQLVKL DQEWVPYSTS ASLYIRPTFI GTEPSLGVKK PTKALLFVLL SPVGPYFSSG TFNPVSLWAN PKYVRAWKGG TGDCMKGGNY GSSLFAQCEA VDNGCQQVLW LYGEDHQITE VGTMNLFYIW INEDGEEELA TPPLDGIIIP GVTRRCILD L AHQWGEFKVS ERYLTMDDLT TALEGNRVRE MFGSGTACVV CPVSDILYKG ETIHPTMEN GPKLASRILS KLTDIQYGRE ESDWTIVLS Molecular weight: 45.4 kDa (409aa), confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Goto M., et al. (2005) J. Biol. Chem. 280:37246-37256 Schuldiner O., et al. (1996) Proc. Natl. Acad. Sci. U.S.A. 93:7143-7148

Pictures:

