

**AR50304PU-N****Human BCAT1 (1-386, His-tag) - Purified**

<b>Alternate names:</b>	BCAT(c), BCT1, Branched-chain-amino-acid aminotransferase cytosolic, ECA39
<b>Quantity:</b>	0.5 mg
<b>Concentration:</b>	1 mg/ml (determined by Bradford assay)
<b>Background:</b>	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.
<b>Uniprot ID:</b>	<a href="#">P54687</a>
<b>NCBI:</b>	<a href="#">NP_005495</a>
<b>GeneID:</b>	<a href="#">586</a>
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Format:</b>	<b>State:</b> Liquid purified protein <b>Purity:</b> >90% by SDS - PAGE <b>Buffer System:</b> 20 mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT
<b>Description:</b>	Recombinant human BCAT1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography. <b>AA Sequence:</b> MGSSHHHHH SSGLVPRGSH MGSMKDCSNG CSAECTGEGG SKEVVGTFKA KDLIVTPATI LKEKPDNNL VFGTVFTDHM LTVEWSSEFG WEKPHIKPLQ NLSLHPGSSA LHYAVELFEG LKAFRGVDNK IRLFQPNLNM DRMYRSAVRA TLPVFDKEEL LECIQQLVKL DQEWVPYSTS ASLYIRPTFI GTEPSLGVKK PTKALLFVLL SPVGPYFSSG TFNPVSLWAN PKYVRAWKGG TGDCCKMGGNY GSSLFAQCEA VDNGCQQVLW LYGEDHQITE VGTMNLFLYW INEDGEEEELA TPPLDGIIIP GVTRRCILDLD AHQWGEFKVS ERYLTMDDLT TALEGNRVRE MFGSGTACVV CPVSDILYKG ETIHIPTMEN GPKLASRILS KLTDIQYGRE ESDWTIVLS <b>Molecular weight:</b> 45.4 kDa (409aa), confirmed by MALDI-TOF
<b>Storage:</b>	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.
<b>General Readings:</b>	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:

