

# Product information

## BCAT1, 1-386aa

Human, His-tagged, Recombinant, *E.coli*

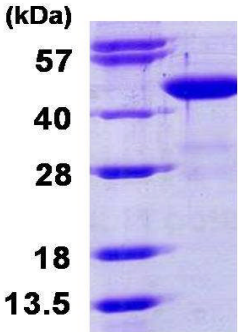
Cat. No. IBATGP1479

**Full name:** Branched chain amino-acid transaminase, cytosolic

**NCBI Accession No.:** NP\_005495

**Synonyms:** BCATC, BCT1, ECA39, MECA39, PNAS121, PP18

**Description:** 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. Recombinant human BCAT1 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography.

<p><b>Form:</b> Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT</p> <p><b>Molecular Weight:</b> 45.4 kDa (409aa), confirmed by MALDI-TOF</p> <p><b>Purity:</b> &gt; 90% by SDS - PAGE</p> <p><b>Concentration:</b> 1 mg/ml (determined by Bradford assay)</p>	 <p>15% SDS-PAGE (3ug)</p>
<p><b>Sequences of amino acids:</b></p> <p>MGSSHHHHHH SSGLVPRGSH MGSMDKCSNG CSAECTGEGG SKEVVGTFKA KDLIVTPATI LKEKPDPNNL VFGTVFTDHM LTVEWSSEFG WEKPHIKPLQ NLSLHPGSSA LHYAVELFEG LKAFRGVDNK IRLFQPNLNM DRMYRSAVRA TLPVFDKEEL LECIQQLVKL DQEWVPYSTS ASLYIRPTFI GTEPSLVGKK PTKALLFVLL SPVGPYFSSG TFNPVSLWAN PKYVRAWKGG TGDCKMGGNY GSSLFAQCEA VDNGCQQVLW LYGEDHQITE VGTMNLFLYW INEDGEEELA TPPLDGIILP GVTRRCILD L AHQWGEFKVS ERYLTMDDLT TALEGNRVRE MFGSGTACVV CPVSDILYKG ETIHIPTMEN GPKLASRILS KLTDIQYGRE ESDWTIVLS</p>	

### General references:

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

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.

Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.