

BCAT1, 1-386aa

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

Cat. No. ATGP1479

Full name: Branched chain amino-acid transaminase, cytosolic

NCBI Accession No.: NP_005495

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

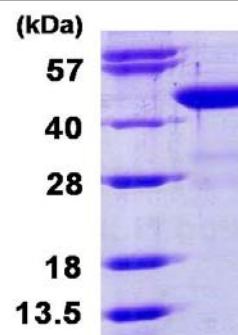
Description: BCAT1, also known as branched chain amino-acid transaminase, cytosolic, catalyzes the first reaction in the catabolism of the essential branched chain amino acids leucine, isoleucine, and valine. Recombinant human BCAT1 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography.

Form: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT

Molecular Weight: 45.4 kDa (409aa), confirmed by MALDI-TOF

Purity: > 90% by SDS - PAGE

Concentration: 1 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHHH SGLVPRGSH MGSMKDCSNG CSAECTGEGG SKEVVGTFKA KDLIVTPATI LKEKDPNNL VFGTVFTDHM
LTVESSEFG

WEKPHIKPLQ NLSLHPGSSA LHYAVELFEG LKAFRGVDNK IRLFQPNLNM DRMYRSAVRA TLPVFDKEEL LECIQLVKL
DQEWPYSTS

ASLYIRPTFI GTEPSLGVKK PTKALLFVLL SPVGPYFSSG TFNPVSLWAN PKYVRAWKGG TGDCMGGNY GSSLFAQCEA
VDNGCQQVLW

LYGEDHQITE VGTMNFLYW INEDGEELA TPPLDGIILP GVTRRCILD L AHQWGEFKVS ERYLTMDDL TALEGNRVRE
MFGSGTACVV

CPVSDILYKG ETIHIPTMEN GPKLASRILS KLTDIQYGRE ESDWTIVLS

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.

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