

BCAT1 recombinant protein

BCAT1, 1-386aa, Human, His tag, E Coli

CATALOG # AAA48754	HOST E Coli	APPLICATIONS SDS-Page
------------------------------	-----------------------	---------------------------------

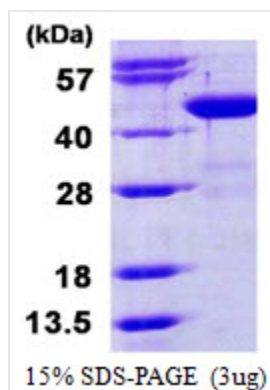
PRODUCT SYNONYMS

BCAT1; 1-386aa; Human; His tag; E Coli; Branched chain amino-acid transaminase cytosolic; Branched chain amino-acid transaminase; cytosolic; BCATC; BCT1; ECA39; MECA39; PNAS121; PP18; BCAT1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. 20mM Tris-HCl Buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MGSMKDCSNG CSAECTGEGG SKEVVGTFKA KDLIVTPATI LKEKDPNNL VFGTVFTDHM LTVEWSSEFG WEKPHIKPLQ NLSLHPGSSA LHYAVELFEG LKAFRGVDNK IRLFQPNLNM DRMYRS AVRA TLPVFDKEEL LECIQQLVKL DQEWVPYSTS ASLYIRPTFI GTEPSLG VKK PTKALLFVLL SPVGPYFSSG TFNPVSLWAN PKYVRAWKGG TGDCKMGGNY GSSLFAQCEA VDNGCQQVLW LYGEDHQITE VGTMNLFlyw INEDGEEEELA TPPLDGIILP GVTRRCILD AHQWGEFKVS ERYLTMDLT TALEGNRVRE MFGSGTACVV CPVSDILYKG ETIHPTMEN GPKLASRILS KLTDIQYGRE ESDWTIVLS
Sequence Length	386
Applicable Applications for BCAT1 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for BCAT1 recombinant protein	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.
Product Categories/Family for BCAT1 recombinant protein	Metabolism
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

NCBI AND UNIPROT INFORMATION

NCBI GI #	38176287
NCBI GeneID	586
NCBI Accession #	NP_005495
NCBI GenBank Nucleotide #	NM_005504.6
UniProt Accession #	P54687; Q68DQ7; Q96MY9; B3KY27; B7Z2M5; B7Z5L0; F5H5E4
Molecular Weight	45.4 kDa (409aa), confirmed by MALDI-TOF
NCBI Official Full Name	branched-chain-amino-acid aminotransferase, cytosolic isoform 1
NCBI Official Synonym Full Names	branched chain amino acid transaminase 1
NCBI Official Symbol	BCAT1
NCBI Official Synonym Symbols	BCT1; PP18; BCATC; ECA39; MECA39; PNAS121
NCBI Protein Information	branched-chain-amino-acid aminotransferase, cytosolic
UniProt Protein Name	Branched-chain-amino-acid aminotransferase, cytosolic
UniProt Gene Name	BCAT1
UniProt Synonym Gene Names	BCT1; ECA39; BCAT(c)

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.