

BCAT2 recombinant protein

BCAT2, 28-392aa, Human, His tag, E Coli

CATALOG # AAA48741	HOST E Coli	APPLICATIONS SDS-Page
------------------------------	-----------------------	---------------------------------

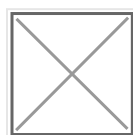
PRODUCT SYNONYMS

BCAT2; 28-392aa; Human; His tag; E Coli; Branched chain amino-acid aminotransferase 2 mitochondrial; Branched chain amino-acid aminotransferase 2; mitochondrial; BCAM; BCATM; BCT2; PP18; BCAT2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. 20mM Tris-HCl Buffer (pH 7.5) containing 10% glycerol 0.2M NaCl, 1mM DTT
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHHH SSSLVPRGSH MGSMASSSF KAADLQLEMT QKPHKKPGPG EPLVFGKTFT DHMLMVEWND KGWGQPRIQP FQNLTLPAS SSLHYSLQLF EGMKAFKGD QQVRLFRPWL NMDRMLRSAM RLCLPSFDKL ELLECIIRRLI EVDKDWVPA AGTSLYVRPV LIGNEPSLGV SQPTRALLFV ILCPVGAYFP GGSVTPVSL ADPAFIRAWV GGVGNYKLGG NYGPTVLVQQ EALKRGCEQV LWLYGPDHQL TEVGTMNIFV YWTHEDGVLE LVTPLNGVI LPGVVRQSLL DMAQTWGEFR VVERTITMKQ LLRALEEGRV REVFGSGTAC QVCPVHRILY KDRNLHIPTM ENGPELILRF QKELKEIQYG IRAHEWMFPV
Sequence Length	392
Applicable Applications for BCAT2 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 BCAT2 recombinant protein	BCAT2 belongs to the class-IV pyridoxal-phosphate-dependent aminotransferase family. This protein forms a dimer that catalyzes the first step in the production of the branched chain amino acids leucine, isoleucine, and valine. It may also function as a transporter of branched chain alpha-keto acids. Recombinant human BCAT2 protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for BCAT2 recombinant protein	Metabolism

References	Coles S.J. et al. (2009) Biochemistry Jan 27;48 (3):645-56.; Yennawar N.H.et al. (2007) J. Biol. Chem. 281:39660-39671
------------	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	50658084
NCBI GeneID	587
NCBI Accession #	NP_001181
NCBI GenBank Nucleotide #	NM_001190.3
UniProt Accession #	O15382; O00269; Q96KG1; Q9BTB6; Q9BUU6; B2RB87
Molecular Weight	43.9 kDa (390aa), confirmed by MALDI-TOF
NCBI Official Full Name	branched-chain-amino-acid aminotransferase, mitochondrial isoform a
NCBI Official Synonym Full Names	branched chain amino acid transaminase 2
NCBI Official Symbol	BCAT2
NCBI Official Synonym Symbols	BCAM; BCT2; PP18; BCATM
NCBI Protein Information	branched-chain-amino-acid aminotransferase, mitochondrial
UniProt Protein Name	Branched-chain-amino-acid aminotransferase, mitochondrial
UniProt Gene Name	BCAT2
UniProt Synonym Gene Names	BCATM; BCT2; ECA40; BCAT(m); PP18

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
 Online datasheet: <https://stage.aaabiotech.com/bcat2-recombinant-protein-e-coli-sds-page/48741>