

32-2178: BCAT2 Recombinant Protein

Alternative Name : Branched-chain-amino-acid aminotransferase mitochondrial,BCAT(m),Placental protein 18,PP18,BCAT2,BCATM,BCT2,ECA40,BCAM.

Description

Source : Escherichia Coli. BCAT2 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 390 amino acids (28-392) and having a molecular mass of 43.9kDa. BCAT2 is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Branched Chain Amino-Acid Transaminase 2 (BCAT2) is a member of the class-IV pyridoxal-phosphate-dependent aminotransferase family. BCAT2 is a branched chain aminotransferase found in mitochondria. BCAT2 forms a dimer which catalyzes the first step in the production of the branched chain amino acids leucine, isoleucine, and valine. In addition, BCAT2 may act as a transporter of branched chain alpha-keto acids.

Product Info

Amount : 10 µg
Purification : Greater than 90.0% as determined by SDS-PAGE.
Content : The BCAT2 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 7.5), 10% glycerol, 0.2M NaCl and 1mM DTT.
Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid : MGSSHHHHHH SGLVPRGSH MGSMMASSSF KAADLQLEMT QKPHKKPGPG EPLVFGKTFT
DHMLMVEWND KGWGQPRIQP FQNLTLHPAS SSLHYSLQLF EGMKAFKGD QQVRLFRPWL
NMDRMLRSAM RLCLPSFDKL ELLECIRRLI EVDKDWVPDA AGTSLYVRPV LIGNEPSLGV SQPTRALLFV
ILCPVGAYFP GGSVTPVSLI ADPAFIRAWV GGVGNKLG G NYGPTVLVQQ EALKRGCEQV LWLYGPDHQL
TEVGTMNIFV YWTHEDGVLE LVTPPLNGVI LPGVVRQSLI DMAQTWGEFR VVERTITMKQ LLRALEEGRV
REVFSGGTAC QVCPVHRILY KDRNLHIPTM ENGPELILRF QKELKEIQYG IRAHEWMFPV.