

## 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 SSSLVPRGSH MGSMMASSSF KAADLQLEMT QKPHKKPGPG EPLVFGKTFT  
DHMLMVEWND KGWGQPRIQP FQNLTLHPAS SSLHYSLQLF EGMKAFKGD QQVRLFRPWL  
NMDRMLRSAM RLCLPSFDKL ELLECIRRLI EVDKDWVPDA AGTSLYVRPV LIGNEPSLGV SQPTRALLFV  
ILCPVGAYFP GGSVTPVSLI ADPAFIRAWV GGVGNYKGG NYGPTVLVQQ EALKRGCEQV LWLYGPDHQL  
TEVGTMNIFV YWTHEDGVLE LVTPPLNGVI LPGVVRQSLI DMAQTWGEFR VVERTITMKQ LLRALEEGRV  
REVFSGGTAC QVCPVHRILY KDRNLHIPTM ENGPELILRF QKELKEIQYG IRAHEWMFPV.

