

Branched Chain Amino-Acid Transaminase 2 Human Recombinant

Item Number	rAP-1914
Synonyms	Branched-chain-amino-acid aminotransferase mitochondrial, BCAT(m), Placental protein 18, PP18, BCAT2, BCATM, BCT2, ECA40, BCAM.
Description	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.
Uniprot Accession Number	O15382
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMASSSF KAADLQLEMT QKPHKKPGPG EPLVFGKTFT DHM-LMVEWND KGWQPRIQP FQNLTLHPAS SSLHYSLQLF EGMKAFKGD QQVRLFRPWL NMDRMLR-SAM RLCLPSFDKL ELLECIRRLI EVDKDWVDA AGTSLYVRPV LIGNEPSLGV SQPTRALLFV ILCVPGAYFP GGSVTPVSLI ADPAFIRAWV GGVGNYKLG NYGPTVLVQQ EALKRGCEQV LWLYGPDHQL TEVGTMNIFV YWTHEDGVLE LVTPPLNGVI LPGVVRQSLI DMAQTWGEFR VVERTITMKQ LLRALEEGRV REVFGSGTAC QVCPVHRILY KDRNLHIPTM ENGPELILRF QKELKEIQY IRAHEWMFPV.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. 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.
Formulation and Purity	The BCAT2 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 7.5), 10% glycerol, 0.2M NaCl and 1mM DTT. Greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**