
Product Data Sheet

Product Name: BCAT1 Human
 Cat. No.: GP21433
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Branched chain amino-acid transaminase 1 cytosolic; BCT1; BCATC; Protein ECA39; placental protein 18; PP18; PNAS121; MECA39; EC 2.6.1.42.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMKDCSNG CSAECTGEGG SKEVVGTFKA KDLIVTPATI LKEKDPNNL VFGTVFTDHM LTVEWSSEFG WEKPHIKPLQ NLSLHPGSSA LHYAVELFEG LKAFRGVDNK IRLFQPNLNM DRMYRSAVRA TLPVFDKEEL LECIQQLVKL DQEWVPYSTS ASLYIRPTFI GTEPSLGVKK PTKALLFVLL SPVGPYFSSG TFNPVSLWAN PKYVRAWKGG TGDCKMGGNY GSSLFAQCEA VDNGCQQVLW LYGEDHQITE VGTMNLFLYW INEDGEEELA TPPLDGIILP GVTRRCILD DL AHQWGEFKVS ERYLTMDDLT TALEGNRVRE MFGSGTACVV CPVSDILYKG ETIHPTMEN GPKLASRILS KLTDIQYGRE ESDWTIVLS.		
Formulation	The BCAT1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 1mM DTT and 20% glycerol.		

Introduction

BCAT1 catalyzes the leading reaction in the catabolism of the indispensable branched chain amino acids isoleucine, leucine and valine.

Stability

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.

Background

BCAT1 Recombinant produced in E. coli is a single polypeptide chain containing 409

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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amino acids (1-386) and having a molecular mass of 45.4kDa. BCAT1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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