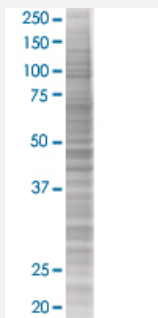


BCAT1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00000586-T01

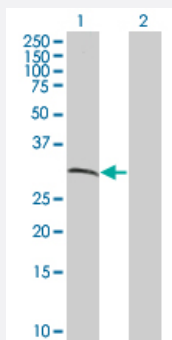
Size 100 uL

Applications



SDS-PAGE Gel

BCAT1 transfected lysate.



Western Blot

Lane 1: BCAT1 transfected lysate (35.31 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-BCAT1 full-length
Host	Human
Theoretical MW (kDa)	35.31
Interspecies Antigen Sequence	Mouse (84); Rat (74)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-BCAT1 antibody ([H00000586-B01](#)) by Western Blots.
SDS-PAGE Gel
BCAT1 transfected lysate.
Western Blot
Lane 1: BCAT1 transfected lysate (35.31 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — BCAT1

Entrez GeneID[586](#)**GeneBank Accession#**[BC033864](#)**Protein Accession#**[AAH33864](#)**Gene Name**

BCAT1

Gene Alias

BCT1, DKFZp686E12175, ECA39, MECA39, PNAS-121, PP18

Gene Description

branched chain aminotransferase 1, cytosolic

Omim ID[113520](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene encodes the cytosolic form of the enzyme branched-chain amino acid transaminase. This enzyme catalyzes the reversible transamination of branched-chain alpha-keto acids to branched-chain L-amino acids essential for cell growth. Two different clinical disorders have been attributed to a defect of branched-chain amino acid transamination: hypervalinemia and hyperleucine-isoleucinemia. As there is also a gene encoding a mitochondrial form of this enzyme, mutations in either gene may contribute to these disorders. [provided by RefSeq]

Other Designations

branched-chain-amino-acid aminotransferase, cytosolic|placental protein 18

Pathway

- [Biosynthesis of alkaloids derived from histidine and purine](#)
- [Biosynthesis of alkaloids derived from shikimate pathway](#)
- [Metabolic pathways](#)
- [Pantothenate and CoA biosynthesis](#)
- [Valine](#)
- [Valine](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Overweight](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)