OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for PH325667

BAAT (NM_001127610) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	BAAT MS Standard C13 and N15-labeled recombinant protein (NP_001121082)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC225667
Predicted MW:	46.3 kDa
Protein Sequence:	>RC225667 protein sequence Red=Cloning site Green=Tags(s) MIQLTATPVSALVDEPVHIQATGLIPFQMVSFQASLEDENGDMFYSQAHYRANEFGEVDLNHASSLGGDY MGVHPMGLFWSLKPEKLLTRLLKRDVMNRPFQVQVKLYDLELIVNNKVASAPKASLTLERWYVAPGVTRI KVREGRLRGALFLPPGEGLFPGVIDLFGGLGGLLEFRASLLASRGFASLALAYHNYEDLPRKPEVTDLEY FEEAANFLLRHPKVFGSGVGVVSVCQGVQIGLSMAIYLKQVTATVLINGTNFPFGIPQVYHGQIHQPLPH SAQLISTNALGLLELYRTFETTQVGASQYLFPIEEAQGQFLFIVGEGDKTINSKAHAEQAIGQLKRHGKN NWTLLSYPGAGHLIEPPYSPLCCASTTHDLRLHWGGEVIPHAAAQEHAWKEIQRFLRKHLIPDVTSQL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_001121082
RefSeq Size:	3377
RefSeq ORF:	1254
Synonyms:	BACAT; BACD1; BAT; HCHO
Locus ID:	570

View online »

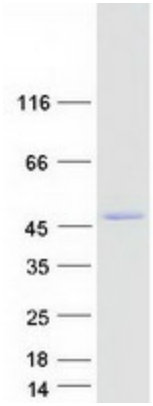
UniProt ID: Q14032

Cytogenetics: 9q31.1

Summary: The protein encoded by this gene is a liver enzyme that catalyzes the transfer of C24 bile acids from the acyl-CoA thioester to either glycine or taurine, the second step in the formation of bile acid-amino acid conjugates. The bile acid conjugates then act as a detergent in the gastrointestinal tract, which enhances lipid and fat-soluble vitamin absorption. Defects in this gene are a cause of familial hypercholanemia (FHCA). Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]

Protein Pathways: Biosynthesis of unsaturated fatty acids, Metabolic pathways, Primary bile acid biosynthesis, Taurine and hypotaurine metabolism

Product images:



Coomassie blue staining of purified BAAT protein (Cat# [TP325667]). The protein was produced from HEK293T cells transfected with BAAT cDNA clone (Cat# [RC225667]) using MegaTran 2.0 (Cat# [TT210002]).