

Recombinant Human BAAT Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. BAAT-1425H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	BAAT MS Standard C13 and N15-labeled recombinant protein (NP_001121082) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	46.3 kDa
AA Sequence	MIQLTATPVSA LVDEPVHIQATGLIPFQMVSFQASLEDENGDMFY SQAHYRANEFGE VDLNHASSLGGDYMGVHPMGLFWSLKPEKLLTRLLKRDVMNRPFQVQVKLYDLELI VNNKVASAPKASLT LERWYVAPGVTRIKVREGRLRGALFLPPGEGLFPGVIDLFGGL GGLLEFRASLLASRGFASLALAYHNYEDLP RKPEVTDLEYFEEAANFLLRHPKVFGS GVGVVSVCQGVQIGLSMAIYLKQVTATVLINGTNFPFGIPQVYHGQIHQPLPHSAQLI STNALG LLELYRTFETTQVGASQYLFPIEEAQQGQFLFIVGEGDKTINSKAHAEQAIGQ LKRHGKNNWTLLSYPGAGHLIEPPYSPLCCASTTHDLRLHWGGEVIPHAAAQEHAW

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KEIQRFLRKHLIPDVTSQLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	BAAT bile acid-CoA:amino acid N-acyltransferase [Homo sapiens (human)]
Official Symbol	BAAT
Synonyms	BAAT; bile acid CoA: amino acid N-acyltransferase (glycine N-choloyltransferase); bile acid Coenzyme A: amino acid N acyltransferase (glycine N choloyltransferase); bile acid-CoA:amino acid N-acyltransferase; BAT; long-chain fatty-acyl-CoA hydrolase; bile acid Coenzyme A: amino acid N-acyltransferase (glycine N-choloyltransferase); BACAT; FLJ20300; MGC104432;
Gene ID	570
mRNA Refseq	NM_001127610
Protein Refseq	NP_001121082

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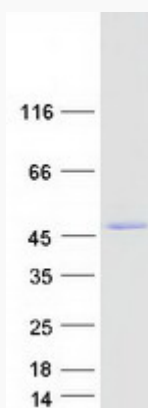
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MIM 602938

UniProt ID Q14032

SDS-PAGE



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