

Recombinant Human BAAT 293 Cell Lysate

Cat. No. BAAT-8533HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for bile acid Coenzyme A: amino acid N-acyltransferase (glycine N-choloyltransferase) (BAAT), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	BAAT bile acid CoA: amino acid N-acyltransferase (glycine N-choloyltransferase) [Homo sapiens]
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
MIM	602938
UniProt ID	Q14032
Chromosome Location	9q22.3
Pathway	Bile acid and bile salt metabolism, organism-specific biosystem; Bile secretion, organism-specific biosystem; Bile secretion, conserved biosystem; Biosynthesis of unsaturated fatty acids, organism-specific biosystem; Biosynthesis of unsaturated

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fatty acids, conserved biosystem; Conjugated bile acid biosynthesis, cholate
=>taurocholate/glycocholate, organism-specific biosystem;

Function

N-acyltransferase activity; carboxylesterase activity; glycine N-choloyltransferase
activity; hydrolase activity; palmitoyl-CoA hydrolase activity; thiolester hydrolase
activity; transferase activity, transferring acyl groups;

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