

Recombinant Human BAAT 293 Cell Lysate

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

SPECIFICATION

Product Overview

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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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 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,

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organism-specific biosystem; Bile secretion, conserved biosystem; Biosynthesis of unsaturated fatty acids, organism-specific biosystem; Biosynthesis of unsaturated 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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