

Recombinant Human BAAT protein, His-tagged

Cat. No. BAAT-7844H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human BAAT protein(1-418 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-418 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients.
AASequence	MIQLTATPVSALVDEPVHIQATGLIPFQMVSFQASLEDENGDMFYSAHYRANEFGE VDLNHASSLGGDYMGVHPMGLFWSLKPEKLLTRLLKRDVMNRPFQVQVKLYDLELI VNNKVASAPKASLTLEWYVAPGVTRIKVREGRLRGALFLPPGEGLFPGVIDLFGGL GGLLEFRASLLASRGFASLALAYHNYEDLPKPEVTDLEYFEEAANFLLRHPKVFGS GVGVVSVCQGVQIGLSMAIYLKQVTATVLINGTNFPFGIPQVYHGQIHQPLPHSAQLI STNALGELLELYRTFETTQVGASQYLFPIEEAQQGQFLFIVGEGDKTINSKAHAQEAGQ LKRHGKNNWTLLSYPGAGHLIEPPYSPLCCASTTHDLRLHWGGEVIPHAAAQEHAW KEIQRFLRKHLIPDVTSQL
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.

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Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.
Reconstitution	Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.
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

SDS-PAGE



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