Recombinant Human Bile acid-CoA:amino acid N-acyltransferase (BAAT)

Product Code	CSB-EP613484HU
Abbreviation	BAAT
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q14032
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MIQLTATPVS ALVDEPVHIR ATGLIPFQMV SFQASLEDEN GDMFYSQAHY RANEFGEVDL NHASSLGGDY MGVHPMGLFW SLKPEKLLTR LLKRDVMNRP FQVQVKLYDL ELIVNNKVAS APKASLTLER WYVAPGVTRI KVREGRLRGA LFLPPGEGLF PGVIDLFGGL GGLLEFRASL LASRGFASLA LAYHNYEDLP RKPEVTDLEY FEEAANFLLR HPKVFGSGVG VVSVCQGVQI GLSMAIYLKQ VTATVLINGT NFPFGIPQVY HGQIHQPLPH SAQLISTNAL GLLELYRTFE TTQVGASQYL FPIEEAQGQF LFIVGEGDKT INSKAHAEQA IGQLKRHGKN NWTLLSYPGA GHLIEPPYSP LCCASTTHDL RLHWGGEVIP HAAAQEHAWK EIQRFLRKHL IPDVTSQL
Source	E.coli
Target Names	BAAT
Protein Names	Recommended name: Bile acid-CoA:amino acid N-acyltransferase Short name= BACAT Short name= BAT EC= 2.3.1.65 Alternative name(s): Glycine N-choloyltransferase Long-chain fatty-acyl-CoA hydrolase EC= 3.1.2.2
Expression Region	1-418
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	This protein 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.

Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.