

Product datasheet for **RC225667L3V**

BAAT (NM_001127610) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | BAAT (NM_001127610) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | BAAT |
| Synonyms: | BACAT; BACD1; BAT; HCHO |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-Myc-DDK-P2A-Puro (PS100092) |
| Tag: | Myc-DDK |
| ACCN: | NM_001127610 |
| ORF Size: | 1254 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC225667). |
| OTI Disclaimer: | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info |
| OTI Annotation: | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| RefSeq: | NM_001127610.1 , NP_001121082.1 |
| RefSeq Size: | 3377 bp |
| RefSeq ORF: | 1257 bp |
| Locus ID: | 570 |
| UniProt ID: | Q14032 |
| Cytogenetics: | 9q31.1 |
| Protein Pathways: | Biosynthesis of unsaturated fatty acids, Metabolic pathways, Primary bile acid biosynthesis, Taurine and hypotaurine metabolism |



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MW: 46.3 kDa

Gene Summary: 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. [provided by RefSeq, Jul 2008]