

# Recombinant Full Length Human ACOT7 Protein, GST-tagged

**Cat. No.** ACOT7-1761HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                            |
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| <b>Product Overview</b> | Human BACH full-length ORF ( AAH17365, 1 a.a. - 338 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ProteinLength</b>    | 338 amino acids                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Description</b>      | This gene encodes a member of the acyl coenzyme family. The encoded protein hydrolyzes the CoA thioester of palmitoyl-CoA and other long-chain fatty acids. Decreased expression of this gene may be associated with mesial temporal lobe epilepsy. Alternatively spliced transcript variants encoding distinct isoforms with different subcellular locations have been characterized. [provided by RefSeq |
| <b>Form</b>             | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                                                                                                                                                   |
| <b>Molecular Mass</b>   | 62.92 kDa                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>AA Sequence</b>      | MSGPDVETPSAIQICRIMRPDDANVAGNVHGGTILKMIEEAGAIISTRHCNSQNGERC<br>VAALARVERTDFLSPMCIGEVAVHSAEITYTSKHSVEVQVNVMSENILTGAKKLTNKA<br>TLWYVPLSLKNVDKVLVPPVVSQRQEQQEEGRKRYEAQKLERMETKWRNGDIVQ<br>PVLNPEPNTVSYSQSSLIHLVGPSDCTLHGFVHGGVTMKLMDEVAGIVAARHCKTNI<br>VTASVDAINFHDKIRKGCVITISGRMTFTSNKSMEIEVLVDADPVVDSSQKRYRAASA<br>FFTYVSLSQEGRSLPVPQLVPETEDEKKRFEEGKGRYLQMKAKRQGHAEPQP                                      |

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| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                                                                                                                                                                                        |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                      |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                                                                      |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                               |
| <b>Gene Name</b>        | ACOT7 acyl-CoA thioesterase 7 [ Homo sapiens ]                                                                                                                                                                                                                                                                                |
| <b>Official Symbol</b>  | ACOT7                                                                                                                                                                                                                                                                                                                         |
| <b>Synonyms</b>         | ACOT7; acyl-CoA thioesterase 7; cytosolic acyl coenzyme A thioester hydrolase; ACH1; ACT; BACH; brain acyl CoA hydrolase; CTE II; hBACH; LACH1; MGC1126; CTE-IIa; acyl-CoA thioesterase 2; brain acyl-CoA hydrolase; acyl-CoA thioesterase, long chain; long chain acyl-CoA thioester hydrolase; LACH; CTE-II; RP1-120G22.10; |
| <b>Gene ID</b>          | 11332                                                                                                                                                                                                                                                                                                                         |
| <b>mRNA Refseq</b>      | NM_007274                                                                                                                                                                                                                                                                                                                     |
| <b>Protein Refseq</b>   | NP_009205                                                                                                                                                                                                                                                                                                                     |
| <b>MIM</b>              | 602587                                                                                                                                                                                                                                                                                                                        |
| <b>UniProt ID</b>       | O00154                                                                                                                                                                                                                                                                                                                        |