

## Recombinant Mouse Acot9 Protein, Myc/DDK-tagged

**Cat. No.** Acot9-1501M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length acyl-CoA thioesterase 9 (Acot9), with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                                                                                                               |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | Acyl-CoA thioesterases are a group of enzymes that catalyze the hydrolysis of acyl-CoAs to the free fatty acid and coenzyme A (CoASH), providing the potential to regulate intracellular levels of acyl-CoAs, free fatty acids and CoASH. Active on long chain acyl-CoAs. |
| <b>Molecular Mass</b>   | 50.6 kDa                                                                                                                                                                                                                                                                  |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                               |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                                                                                                                             |
| <b>Storage</b>          | Store at -80 centigrade after receiving vials.                                                                                                                                                                                                                            |
| <b>Concentration</b>    | >50 µg/mL as determined by microplate BCA method                                                                                                                                                                                                                          |
| <b>Storage Buffer</b>   | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                     |

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## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | Acot9 acyl-CoA thioesterase 9 [ Mus musculus (house mouse) ]                                                                                                                                                                                                                                                                                                                   |
| <b>Official Symbol</b> | Acot9                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Synonyms</b>        | ACOT9; acyl-CoA thioesterase 9; acyl-coenzyme A thioesterase 9, mitochondrial; MTE-2; mt-ACT48.1; protein U8; acyl-CoA thioester hydrolase 9; mitochondrial acyl-CoA thioesterase; acyl coenzyme A thioester hydrolase 2; acyl-Coenzyme A thioesterase 2, mitochondrial; mitochondrial 48 kDa acyl-CoA thioester hydrolase 1; U8; p48; Acate2; C76421; MT-ACT48; 0610041P13Rik |
| <b>Gene ID</b>         | 56360                                                                                                                                                                                                                                                                                                                                                                          |
| <b>mRNA Refseq</b>     | NM_019736                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Protein Refseq</b>  | NP_062710                                                                                                                                                                                                                                                                                                                                                                      |
| <b>UniProt ID</b>      | Q9R0X4                                                                                                                                                                                                                                                                                                                                                                         |

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