

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

**Cat. No.** Oxsm-4633M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                          |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length 3-oxoacyl-ACP synthase, mitochondrial (Oxsm), with C-terminal MYC/DDK tag, expressed in HEK293T cells. |
| <b>Species</b>          | Mouse                                                                                                                                                    |
| <b>Source</b>           | HEK293                                                                                                                                                   |
| <b>Description</b>      | May play a role in the biosynthesis of lipoic acid as well as longer chain fatty acids required for optimal mitochondrial function.                      |
| <b>Molecular Mass</b>   | 48.6 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.                                                                                                    |

### GENE INFORMATION

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|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | Oxsm 3-oxoacyl-ACP synthase, mitochondrial [ Mus musculus (house mouse) ]                                                                                             |
| <b>Official Symbol</b> | Oxsm                                                                                                                                                                  |
| <b>Synonyms</b>        | Oxsm; 3-oxoacyl-ACP synthase, mitochondrial; C80494; 4933425A18Rik; 3-oxoacyl-[acyl-carrier-protein] synthase, mitochondrial; beta-ketoacyl-ACP synthase; EC 2.3.1.41 |
| <b>Gene ID</b>         | 71147                                                                                                                                                                 |
| <b>mRNA Refseq</b>     | NM_027695                                                                                                                                                             |
| <b>Protein Refseq</b>  | NP_081971                                                                                                                                                             |
| <b>UniProt ID</b>      | Q9D404                                                                                                                                                                |

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