

# Recombinant Mouse Setd3 Protein, Myc/DDK-tagged

**Cat. No.** Setd3-5799M    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                           |
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| <b>Product Overview</b> | Purified recombinant protein of mouse full-length SET domain containing 3 (cDNA clone MGC:28544 IMAGE:4195130), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                                                                                                                                    |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | Protein-histidine N-methyltransferase that specifically mediates methylation of actin at 'His-73'. Histidine methylation of actin is required for smooth muscle contraction of the laboring uterus during delivery. Does not have protein-lysine N-methyltransferase activity and probably only catalyzes histidine methylation of actin. |
| <b>Molecular Mass</b>   | 90.8 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

|                 |                                                                                                                                                                                                                                                                                     |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | Setd3 SET domain containing 3 [ Mus musculus (house mouse) ]                                                                                                                                                                                                                        |
| Official Symbol | Setd3                                                                                                                                                                                                                                                                               |
| Synonyms        | Setd3; SET domain containing 3; D12Ert771; D12Ert771e; 2610102I01Rik; 2610305M23Rik; 6030490B17Rik; actin-histidine N-methyltransferase; SET domain-containing protein 3; endothelial differentiation inhibitory protein D10; histone-lysine N-methyltransferase setd3; EC 2.1.1.85 |
| Gene ID         | 52690                                                                                                                                                                                                                                                                               |
| mRNA Refseq     | NM_028262                                                                                                                                                                                                                                                                           |
| Protein Refseq  | NP_082538                                                                                                                                                                                                                                                                           |
| UniProt ID      | Q91WC0                                                                                                                                                                                                                                                                              |

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