

## Recombinant Mouse Setd3 Protein, Myc/DDK-tagged

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

### SPECIFICATION

<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

<b>Gene Name</b>	Setd3 SET domain containing 3 [ Mus musculus (house mouse) ]
<b>Official Symbol</b>	Setd3
<b>Synonyms</b>	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
<b>Gene ID</b>	52690
<b>mRNA Refseq</b>	NM_028262
<b>Protein Refseq</b>	NP_082538
<b>UniProt ID</b>	Q91WC0

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