

## Recombinant Mouse Vstm2a Protein, Myc/DDK-tagged

**Cat. No.** Vstm2a-6951M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of Mouse V-set and transmembrane domain containing 2A (Vstm2a), with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                                                                                          |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                          |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                         |
| <b>Description</b>      | Plays a role in the regulation of the early stage of white and brown preadipocyte cell differentiation. Promotes adipogenic commitment of preadipocytes by increasing gene expression of the transcription factor PPARG in a BMP4-dependent signaling pathway. |
| <b>Molecular Mass</b>   | 25.7 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>       | Vstm2a V-set and transmembrane domain containing 2A [ Mus musculus (house mouse) ]                                                                                                                                                 |
| <b>Official Symbol</b> | Vstm2a                                                                                                                                                                                                                             |
| <b>Synonyms</b>        | VSTM2A; V-set and transmembrane domain containing 2A; V-set and transmembrane domain-containing protein 2A; novel transcript; V-set and transmembrane domain containing 2; Vstm2; BC027127; 9330184N17Rik; MGC38877; RP23-188C13.2 |
| <b>Gene ID</b>         | 211739                                                                                                                                                                                                                             |
| <b>mRNA Refseq</b>     | NM_145967                                                                                                                                                                                                                          |
| <b>Protein Refseq</b>  | NP_666079                                                                                                                                                                                                                          |
| <b>UniProt ID</b>      | Q8R0A6                                                                                                                                                                                                                             |

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