

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

**Cat. No.** Adprm-1544M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length ADP-ribose/CDP-alcohol diphosphatase, manganese dependent (Adprm), with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                                                                                                                   |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | Hydrolyzes ADP-ribose, IDP-ribose, CDP-glycerol, CDP-choline and CDP-ethanolamine, but not other non-reducing ADP-sugars or CDP-glucose. May be involved in immune cell signaling as suggested by the second-messenger role of ADP-ribose, which activates TRPM2 as a mediator of oxidative/nitrosative stress. |
| <b>Molecular Mass</b>   | 38.9 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>       | Adprm ADP-ribose/CDP-alcohol diphosphatase, manganese dependent [ Mus musculus (house mouse) ]                                                                                                                                                                               |
| <b>Official Symbol</b> | Adprm                                                                                                                                                                                                                                                                        |
| <b>Synonyms</b>        | Adprm; ADP-ribose/CDP-alcohol diphosphatase, manganese dependent; MDS006; 2310004I24Rik; manganese-dependent ADP-ribose/CDP-alcohol diphosphatase; ADP-ribose/CDP-alcohol pyrophosphatase; ADPRibase-Mn; CDP-choline phosphohydrolase; EC 3.6.1.13; EC 3.6.1.16; EC 3.6.1.53 |
| <b>Gene ID</b>         | 66358                                                                                                                                                                                                                                                                        |
| <b>mRNA Refseq</b>     | NM_025510                                                                                                                                                                                                                                                                    |
| <b>Protein Refseq</b>  | NP_079786                                                                                                                                                                                                                                                                    |
| <b>UniProt ID</b>      | Q99KS6                                                                                                                                                                                                                                                                       |

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