

## Recombinant Mouse Atp2b4 Protein, Myc/DDK-tagged

**Cat. No.** Atp2b4-1767M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length ATPase, Ca <sup>++</sup> transporting, plasma membrane 4 (Atp2b4), transcript variant b, with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                      |
| <b>Species</b>          | Mouse  |
| <b>Source</b>           | HEK293   |
| <b>Description</b>      | Calcium/calmodulin-regulated and magnesium-dependent enzyme that catalyzes the hydrolysis of ATP coupled with the transport of calcium out of the cell. By regulating sperm cell calcium homeostasis, may play a role in sperm motility. |
| <b>Molecular Mass</b>   | 133.5 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** *Atp2b4* ATPase, Ca<sup>++</sup> transporting, plasma membrane 4 [ *Mus musculus* (house mouse) ]

**Official Symbol** *Atp2b4*

**Synonyms** ATP2B4; ATPase, Ca<sup>++</sup> transporting, plasma membrane 4; plasma membrane calcium ATPase 4; Pmca4; MGC129362; MGC129363

**Gene ID** 381290

**mRNA Refseq** NM\_213616

**Protein Refseq** NP\_998781

**UniProt ID** Q6Q477

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