

## Recombinant Mouse Tpk1 Protein, Myc/DDK-tagged

**Cat. No.** Tpk1-6597M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length thiamine pyrophosphokinase (Tpk1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.               |
| <b>Species</b>          | Mouse                                                                                                                                                       |
| <b>Source</b>           | HEK293                                                                                                                                                      |
| <b>Description</b>      | Catalyzes the phosphorylation of thiamine to thiamine pyrophosphate. Can also catalyze the phosphorylation of pyriothiamine to pyriothiamine pyrophosphate. |
| <b>Molecular Mass</b>   | 27.1 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.                                                                                                       |

### GENE INFORMATION

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|------------------------|----------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | Tpk1 thiamine pyrophosphokinase [ Mus musculus (house mouse) ]                                     |
| <b>Official Symbol</b> | Tpk1                                                                                               |
| <b>Synonyms</b>        | TPK1; thiamine pyrophosphokinase; thiamin pyrophosphokinase 1; mTPK1; thiamine pyrophosphokinase 1 |
| <b>Gene ID</b>         | 29807                                                                                              |
| <b>mRNA Refseq</b>     | NM_013861                                                                                          |
| <b>Protein Refseq</b>  | NP_038889                                                                                          |
| <b>UniProt ID</b>      | Q9R0M5                                                                                             |

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