

# Recombinant Mouse Bpnt1 Protein, Myc/DDK-tagged

**Cat. No.** Bpnt1-1889M    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length bisphosphate 3'-nucleotidase 1 (Bpnt1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                                                                                                                                                                                      |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>      | Converts adenosine 3'-phosphate 5'-phosphosulfate (PAPS) to adenosine 5'-phosphosulfate (APS) and 3'(2')-phosphoadenosine 5'- phosphate (PAP) to AMP. Has 1000-fold lower activity towards inositol 1,4-bisphosphate (Ins(1,4)P2) and inositol 1,3,4-trisphosphate (Ins(1,3,4)P3), but does not hydrolyze Ins(1)P, Ins(3,4)P2, Ins(1,3,4,5)P4 or InsP6. |
| <b>Molecular Mass</b>   | 33.2 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       | Bpnt1 3'(2'), 5'-bisphosphate nucleotidase 1 [ Mus musculus (house mouse) ]                                          |
| Official Symbol | Bpnt1                                                                                                                |
| Synonyms        | BPNT1; bisphosphate 3-nucleotidase 1; 3(2),5-bisphosphate nucleotidase 1; PIP; PAP-inositol-1,4-phosphatase; BPntase |
| Gene ID         | 23827                                                                                                                |
| mRNA Refseq     | NM_011794                                                                                                            |
| Protein Refseq  | NP_035924                                                                                                            |
| UniProt ID      | Q9Z0S1                                                                                                               |

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