

Recombinant Mouse Bpnt1 Protein, Myc/DDK-tagged

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

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length bisphosphate 3'-nucleotidase 1 (Bpnt1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	33.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	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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