

Recombinant Mouse Pde1b Protein, Myc/DDK-tagged

Cat. No. Pde1b-4743M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length phosphodiesterase 1B, Ca ²⁺ -calmodulin dependent (cDNA clone MGC:67093 IMAGE:6826674), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Cyclic nucleotide phosphodiesterase with a dual-specificity for the second messengers cAMP and cGMP, which are key regulators of many important physiological processes. Has a preference for cGMP as a substrate.
Molecular Mass	52.5 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	Pde1b phosphodiesterase 1B, Ca ²⁺ -calmodulin dependent [Mus musculus (house mouse)]
Official Symbol	Pde1b
Synonyms	PDE1B; phosphodiesterase 1B, Ca ²⁺ -calmodulin dependent; calcium/calmodulin-dependent 3,5-cyclic nucleotide phosphodiesterase 1B; cam-PDE 1B; 63 kDa Cam-PDE; phosphodiesterase 1B, Ca ²⁺ -calmodulin dependent, 63 kDa; phosphodiesterase 1B1, Ca ²⁺ -calmodulin dependent, 63 kDa; 63kDa; Pde1b1
Gene ID	18574
mRNA Refseq	NM_008800
Protein Refseq	NP_032826
UniProt ID	Q01065

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