

Recombinant Mouse Pde3b Protein, Myc/DDK-tagged

Cat. No. Pde3b-4744M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length phosphodiesterase 3B, cGMP-inhibited (Pde3b), 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. May play a role in fat metabolism. Regulates cAMP binding of RAPGEF3. Through simultaneous binding to RAPGEF3 and PIK3R6 assembles a signaling complex in which the PI3K gamma complex is activated by RAPGEF3 and which is involved in angiogenesis.
Molecular Mass	122.5 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

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Pde3b phosphodiesterase 3B, cGMP-inhibited [*Mus musculus* (house mouse)]

Official Symbol Pde3b

Synonyms PDE3B; phosphodiesterase 3B, cGMP-inhibited; cGMP-inhibited 3,5-cyclic phosphodiesterase B; CGIPDE1; CGI-PDE B; cyclic GMP-inhibited phosphodiesterase B; AI847709; 9830102A01Rik

Gene ID 18576

mRNA Refseq NM_011055

Protein Refseq NP_035185

UniProt ID Q61409

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