

Recombinant Mouse Pde5a Protein, Myc/DDK-tagged

Cat. No. Pde5a-4748M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length phosphodiesterase 5A, cGMP-specific (Pde5a), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Plays a role in signal transduction by regulating the intracellular concentration of cyclic nucleotides. This phosphodiesterase catalyzes the specific hydrolysis of cGMP to 5'-GMP. Specifically regulates nitric-oxide-generated cGMP.
Molecular Mass	98.9 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.

GENE INFORMATION

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Gene Name	Pde5a phosphodiesterase 5A, cGMP-specific [Mus musculus (house mouse)]
Official Symbol	Pde5a
Synonyms	PDE5A; phosphodiesterase 5A, cGMP-specific; cGMP-specific 3,5-cyclic phosphodiesterase; CGB-PDE; cGMP-binding cGMP-specific phosphodiesterase; cGMP-binding/cGMP-specific phosphodiesterase; Cn5n; Pde5; Cgbpde; Pde5a1
Gene ID	242202
mRNA Refseq	NM_153422
Protein Refseq	NP_700471
UniProt ID	Q8CG03

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