

Recombinant Mouse Pde10a Protein, Myc/DDK-tagged

Cat. No. Pde10a-4739M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length phosphodiesterase 10A (Pde10a), 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. Can hydrolyze both cAMP and cGMP, but has higher affinity for cAMP and is more efficient with cAMP as substrate. May play a critical role in regulating cAMP and cGMP levels in the striatum, a region of the brain that contributes to the control of movement and cognition.
Molecular Mass	90.8 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	Pde10a phosphodiesterase 10A [Mus musculus (house mouse)]
Official Symbol	Pde10a
Synonyms	PDE10A; phosphodiesterase 10A; cAMP and cAMP-inhibited cGMP 3,5-cyclic phosphodiesterase 10A; PDE10A2 brain-specific isoform; dual-substrate cAMP and cGMP, cyclic nucleotide phosphodiesterase
Gene ID	23984
mRNA Refseq	NM_011866
Protein Refseq	NP_035996
UniProt ID	Q8CA95

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