

## Recombinant Mouse Pde10a Protein, Myc/DDK-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length phosphodiesterase 10A (Pde10a), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	90.8 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method
<b>Storage Buffer</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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## GENE INFORMATION

<b>Gene Name</b>	Pde10a phosphodiesterase 10A [ Mus musculus (house mouse) ]
<b>Official Symbol</b>	Pde10a
<b>Synonyms</b>	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
<b>Gene ID</b>	23984
<b>mRNA Refseq</b>	NM_011866
<b>Protein Refseq</b>	NP_035996
<b>UniProt ID</b>	Q8CA95

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