

## Recombinant Rat Phosphodiesterase 10A, GST-tagged

**Cat. No.** Pde10a-439R    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant rat Pde10a, amino acids 449-end with N-terminal GST tag expressed in a <i>Baculovirus</i> infected Sf9 cell expression system. MW = 66kDa.
<b>Species</b>	Rat
<b>Source</b>	Sf9 Cells
<b>Protein Length</b>	449-end a.a.
<b>Description</b>	Phosphodiesterase 10A is an enzyme that in humans is encoded by the PDE10A gene.
<b>Purity</b>	>80%.
<b>Application</b>	Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.
<b>Formulated In</b>	25 mM Tris-HCl, pH 8.0, 100 mM NaCl, 0.05% Tween-20, 30% glycerol, and 3 mM DTT.
<b>Stability</b>	>6 months at -80°C.

### GENE INFORMATION

**Gene Name**                      Pde10a phosphodiesterase 10A [ *Rattus norvegicus* ]

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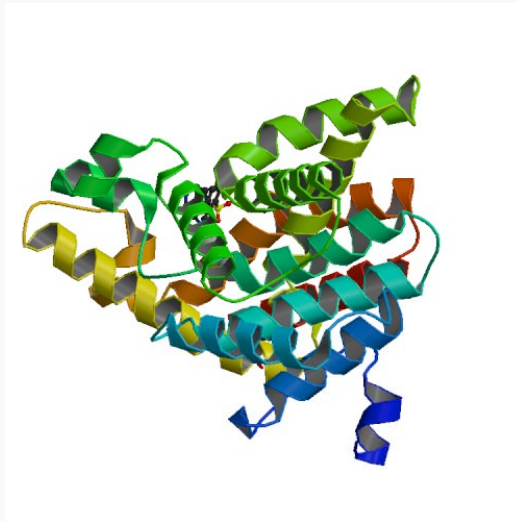
<b>Synonyms</b>	Pde10a; phosphodiesterase 10A; Pde10a3; testis-specific phosphodiesterase PDE10A2
<b>Gene ID</b>	<a href="#">63885</a>
<b>mRNA Refseq</b>	<a href="#">NM_022236</a>
<b>Protein Refseq</b>	<a href="#">NP_071572</a>
<b>UniProt ID</b>	<a href="#">Q9QYJ6</a>
<b>Chromosome Location</b>	1q11
<b>Pathway</b>	Progesterone-mediated oocyte maturation; Purine metabolism
<b>Function</b>	3",5"-cyclic-GMP phosphodiesterase activity; 3",5"-cyclic-nucleotide phosphodiesterase activity; cGMP binding; cAMP binding; cyclic-nucleotide phosphodiesterase activity; drug binding

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