

## Recombinant Mouse Phosphodiesterase 1C, GST-tagged

Cat. No. Pde1c-443M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse phosphodiesterase 1C, full length with N-terminal GST tag expressed in a <i>Baculovirus</i> infected Sf9 cell expression system. MW= 100 kDa.
<b>Species</b>	Mouse
<b>Source</b>	Sf9 Cells
<b>Description</b>	Cone cGMP-specific 3',5'-cyclic phosphodiesterase 1C is an enzyme that in humans is encoded by the PDE1C gene.
<b>Purity</b>	>70%.
<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, 20% glycerol, and 3 mM DTT.
<b>Stability</b>	>6 months at -80°C.
<b>Full Length</b>	Full L.

### GENE INFORMATION

**Gene Name** Pde1c phosphodiesterase 1C [ *Mus musculus* ]

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<b>Synonyms</b>	Pde1c; phosphodiesterase 1C; EC 3.1.4.17
<b>Gene ID</b>	<a href="#">18575</a>
<b>mRNA Refseq</b>	<a href="#">NM_001025568</a>
<b>Protein Refseq</b>	<a href="#">NP_001020739</a>
<b>UniProt ID</b>	<a href="#">Q64338</a>
<b>Chromosome Location</b>	6 27.0 cM
<b>Pathway</b>	Calcium signaling pathway; Progesterone-mediated oocyte maturation; Purine metabolism; Olfactory transduction
<b>Function</b>	calmodulin binding; calmodulin-dependent cyclic-nucleotide phosphodiesterase activity; hydrolase activity; 3",5"-cyclic-nucleotide phosphodiesterase activity; calcium- and calmodulin-regulated 3",5"-cyclic-GMP phosphodiesterase activity

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