

Recombinant Mouse Phosphodiesterase 1C, GST-tagged

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

SPECIFICATION

Product Overview	Recombinant Mouse phosphodiesterase 1C, full length with N-terminal GST tag expressed in <i>aBaculovirus</i> infected Sf9 cell expression system. MW= 100 kDa.
Species	Mouse
Source	Sf9 Cells
Description	Cone cGMP-specific 3",5"-cyclic phosphodiesterase 1C is an enzyme that in humans is encoded by the PDE1C gene.
Purity	>70%.
Application	Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.
Formulated In	25 mM Tris-HCl, pH 8.0, 100 mM NaCl, 0.05% Tween-20, 20% glycerol, and 3 mM DTT.
Stability	>6 months at –80°C.
Full Length	Full L.

GENE INFORMATION

Gene Name	Pde1c phosphodiesterase 1C [<i>Mus musculus</i>]
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Synonyms	Pde1c; phosphodiesterase 1C; EC 3.1.4.17
Gene ID	18575
mRNA Refseq	NM_001025568
Protein Refseq	NP_001020739
UniProt ID	Q64338
Chromosome Location	6 27.0 cM
Pathway	Calcium signaling pathway; Progesterone-mediated oocyte maturation; Purine metabolism; Olfactory transduction
Function	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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