

Recombinant Human PDE1B, GST-tagged

Cat. No. PDE1B-442H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PDE1B, full length with N-terminal GST tag expressed in aBaculovirusinfected Sf9 cell expression system. MW= 87 kDa.
Species	Human
Source	Sf9 Cells
Description	Cone cGMP-specific 3",5"-cyclic phosphodiesterase 1B is an enzyme that in humans is encoded by the PDE1B 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	PDE1B phosphodiesterase 1B, calmodulin-dependent [Homo sapiens]
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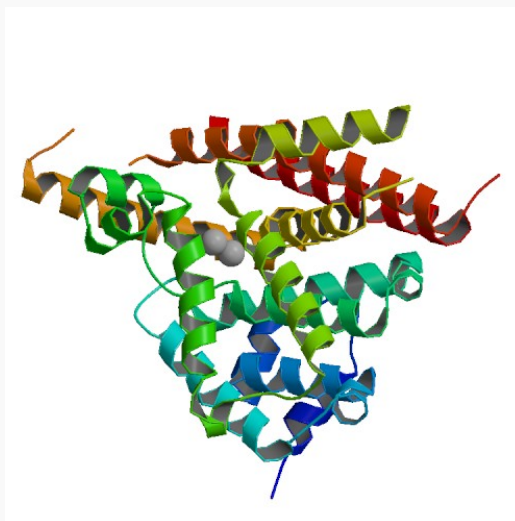
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Synonyms	PDE1B; phosphodiesterase 1B, calmodulin-dependent; PDE1B1; PDES1B; EC 3.1.4.17; Phosphodiesterase-1B; phosphodiesterase 1B, calmodulin-dependent; calcium/calmodulin-stimulated cyclic nucleotide phosphodiesterase; presumed 63kDa form of the type 1 cyclic nucleotide phosphodiesterase family known as PDE1B; Calcium/calmodulin-dependent 3",5"-cyclic nucleotide phosphodiesterase 1B; Cam-PDE 1B; 63 kDa Cam-PDE
Gene ID	5153
mRNA Refseq	NM_000924
Protein Refseq	NP_000915
MIM	171891
UniProt ID	Q01064
Chromosome Location	12q13
Pathway	Calcium signaling pathway; Progesterone-mediated oocyte maturation; Purine metabolism; Opioid Signalling; Opioid Signalling; Signaling by GPCR; Signalling by NGF
Function	calmodulin binding; calmodulin-dependent cyclic-nucleotide phosphodiesterase activity; hydrolase activity

PDB rendering based
on 1taz.



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