

Recombinant Human PDE1B, GST-tagged

Cat. No. PDE1B-1599H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PDE1B protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-350aa
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	PDE1B phosphodiesterase 1B, calmodulin-dependent [Homo sapiens]
Official Symbol	PDE1B
Synonyms	PDE1B; phosphodiesterase 1B, calmodulin-dependent; PDES1B; calcium/calmodulin-dependent 3,5-cyclic nucleotide phosphodiesterase 1B; cam-PDE 1B; 63 kDa Cam-PDE; calmodulin-stimulated phosphodiesterase PDE1B1; calcium/calmodulin-stimulated cyclic nucleotide phosphodiesterase; presumed 63kDa

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	form of the type 1 cyclic nucleotide phosphodiesterase family known as PDE1B; PDE1B1;
Gene ID	5153
mRNA Refseq	NM_000924
Protein Refseq	NP_000915
MIM	171891
UniProt ID	Q01064
Chromosome Location	12q13
Pathway	Ca-dependent events, organism-specific biosystem; CaM pathway, organism-specific biosystem; Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem; Calmodulin induced events, organism-specific biosystem; Cam-PDE 1 activation, organism-specific biosystem; DAG and IP3 signaling, organism-specific biosystem;
Function	3,5-cyclic-AMP phosphodiesterase activity; calcium- and calmodulin-regulated 3,5-cyclic-GMP phosphodiesterase activity; calmodulin binding; calmodulin-dependent cyclic-nucleotide phosphodiesterase activity; hydrolase activity; metal ion binding;