Recombinant Human PDE1B Protein, His/GST-tagged

Cat. No. PDE1B-04H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PTPN2 protein (1-314) with a N-teminus His/GST-tag was expressed in insect cells.
Species	Human
Source	Insect Cells
ProteinLength	1-536
Description	The protein encoded by this gene belongs to the cyclic nucleotide phosphodiesterase (PDE) family, and PDE1 subfamily. Members of the PDE1 family are calmodulin-dependent PDEs that are stimulated by a calcium-calmodulin complex. This PDE has dual-specificity for the second messengers, cAMP and cGMP, with a preference for cGMP as a substrate. cAMP and cGMP function as key regulators of many important physiological processes. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.
Form	Lyophilized from sterile 50 mM Tris, pH 8.0, with 100 mM sodium chloride
Molecular Mass	89.2 kDa
Endotoxin	<1.0 EU/μg, determined by the LAL endotoxin assay
Purity	≥94% estimated by SDS-PAGE

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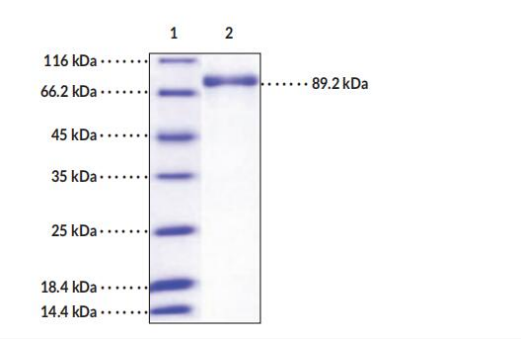
Stability	≥ 1 year
Storage	Store at -80 centigrade

GENE INFORMATION

Gene Name	PDE1B phosphodiesterase 1B [Homo sapiens (human)]
Official Symbol	PDE1B
Synonyms	PDE1B; phosphodiesterase 1B; PDE1B1; PDES1B; HEL-S-79p; calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1B; 63 kDa Cam-PDE; calcium/calmodulin-stimulated cyclic nucleotide phosphodiesterase; calmodulin-stimulated phosphodiesterase PDE1B1; cam-PDE 1B; epididymis secretory sperm binding protein Li 79p; phosphodiesterase 1B, calmodulin-dependent; presumed 63kDa form of the type 1 cyclic nucleotide phosphodiesterase family known as PDE1B
Gene ID	5153
mRNA Refseq	NM_000924
Protein Refseq	NP_000915
MIM	171891
UniProt ID	Q01064

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SDS-PAGE Analysis of PDE1B1



Lane 1: MW Markers, Lane 2: PDE1B1.

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