Recombinant Human PDE1C Protein, His/GST-tagged

Cat. No. PDE1C-03H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PDE1C protein (1-634) with a N-teminus His/GST-tag was expressed in insect cells.
Species	Human
Source	Insect Cells
ProteinLength	1-634
Description	This gene encodes an enzyme that belongs to the 3'5'-cyclic nucleotide phosphodiesterase family. Members of this family catalyze hydrolysis of the cyclic nucleotides, cyclic adenosine monophosphate and cyclic guanosine monophosphate, to the corresponding nucleoside 5'-monophosphates. The enzyme encoded by this gene regulates proliferation and migration of vascular smooth muscle cells, and neointimal hyperplasia. This enzyme also plays a role in pathological vascular remodeling by regulating the stability of growth factor receptors, such as PDGF-receptor-beta.
Form	Lyophilized from sterile 20 mM Tris, 500 mM NaCl, pH 7.4, 10% glycerol, 3 mM DTT
Molecular Mass	100 kDa
Endotoxin	<1.0 EU/μg of the protein as determined by the LAL method
Purity	≥85 % as determined by SDS-PAGE

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Stability	≥ 1 year
Storage	Store at -80 centigrade

GENE INFORMATION

Gene Name	PDE1C phosphodiesterase 1C [Homo sapiens (human)]
Official Symbol	PDE1C
Synonyms	PDE1C; phosphodiesterase 1C; Hcam3; DFNA74; hCam-3; cam-PDE 1C; calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1C; 3',5'-cyclic-AMP phosphodiesterase; 3',5'-cyclic-GMP phosphodiesterase; Human 3',5' cyclic nucleotide phosphodiesterase (HSPDE1C1A); phosphodiesterase 1C, calmodulin-dependent 70kDa
Gene ID	5137
mRNA Refseq	NM_001191056
Protein Refseq	NP_001177985
MIM	602987
UniProt ID	Q14123

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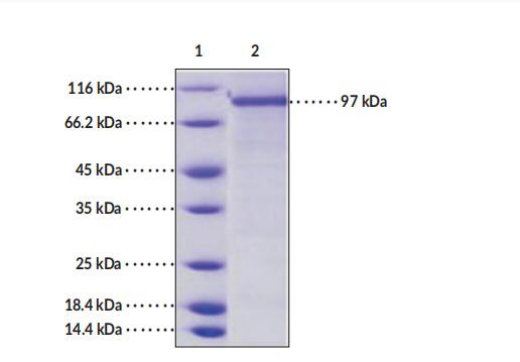
SDS-PAGE Analysis of PDE1C1



Lane 1: MW Markers, Lane 2: PDE1C1, SDS-PAGE Analysis of PDE1C1. This protein has a calculated molecular weight of 100 kDa. It has an apparent molecular weight of approximately 97 kDa by SDS-PAGE under reducing condions.

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