

Recombinant Human PDE1C Protein, His-tagged

Cat. No. PDE1C-146H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PDE1C, transcript variant 4, fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
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	50mM Tris, 8M Urea, pH8.0.
Molecular Mass	72 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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Gene Name	PDE1C phosphodiesterase 1C, calmodulin-dependent 70kDa [Homo sapiens]
Official Symbol	PDE1C
Synonyms	PDE1C; phosphodiesterase 1C, calmodulin-dependent 70kDa; phosphodiesterase 1C, calmodulin dependent (70kD); calcium/calmodulin-dependent 3,5-cyclic nucleotide phosphodiesterase 1C; Hcam3; hCam-3; cam-PDE 1C; Human 3,5 cyclic nucleotide phosphodiesterase (HSPDE1C1A);
Gene ID	5137
mRNA Refseq	NM_001191056
Protein Refseq	NP_005011
MIM	602987
UniProt ID	Q14123

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