

Recombinant Human PDE1C Protein, His/GST-tagged

Cat. No. PDE1C-047H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant N-terminal His-GST-tagged full length human PDE1C1 protein (1-634) 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 |
| Molecular Mass | 100 kDa |
| Endotoxin | <1.0 EU/ µg, determined by the LAL endotoxin assay. |
| Purity | ≥85% estimated by SDS-PAGE |

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| Stability | ≥ 6 months |
| Storage | At -80 centigrade. |
| Storage Buffer | Sterile 20 mM Tris, 500 mM NaCl, pH 7.4, 10% glycerol, 3 mM DTT |
| 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; EC 3.1.4.35 |
| Gene ID | 5137 |
| mRNA Refseq | NM_005020 |
| Protein Refseq | NP_005011 |
| MIM | 602987 |
| UniProt ID | Q8TAE4 |

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