

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-terminus 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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

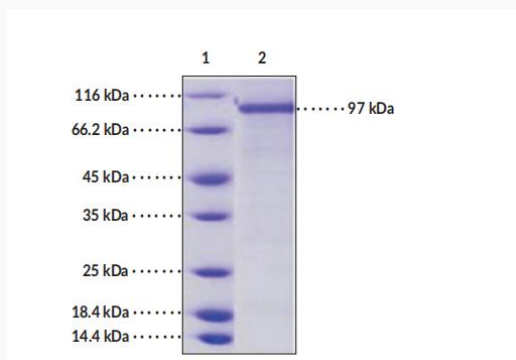
UniProt ID Q14123

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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 conditions.

Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA