

Recombinant Human PDE1A Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PDE1A-1787H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PDE1A MS Standard C13 and N15-labeled recombinant protein (NP_005010) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Cyclic nucleotide phosphodiesterases (PDEs) play a role in signal transduction by regulating intracellular cyclic nucleotide concentrations through hydrolysis of cAMP and/or cGMP to their respective nucleoside 5-prime monophosphates. Members of the PDE1 family, such as PDE1A, are Ca(2+)/calmodulin-dependent PDEs (CaM-PDEs) that are activated by calmodulin in the presence of Ca(2+).
Molecular Mass	62.3 kDa
AA Sequence	MGSSATEIEELENTTFKYLTGEQTEKMWQRLKGILRCLVKQLERGDVNVVDLKKNIE YAASVLEAVYIDETRLLDTEDELSDIQTDSVPSEVRDWLASTFTRKMGMTKKKPEE KPKFRSIVHAVQAGIFVERMYRKTYHVMGLAYPAAVIVTLKDVDKWSFDVFALNEAS GEHSLKFMIYELFTRYDLINRFKIPVSLITFAEAEVGYSKYKNPYHNLIHAADVTQT VHYIMLHTGIMHWLLEILAMVFAAAIHDYEHTGTTNNFHIQTRSDVAILYNDRSVLE NHHVSAAYRLMQEEEMNILINLSKDDWRDLRNLVIEMVLSTDMSGHFQQIKNIRNSL QQPEGIDRAKTMSLILHAADISHPAKSWKLHYRWTMALMEEFFLQGDKEAELGLPFS PLCDRKSTMVAQSQIGFIDFIVEPTFSLTLDSTEKIVPLIEEASKAETSSYVASSSTTIV

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GLHIADALRRSNTKGSMSDGSYSPDYSLAAVDLKSFKNNLVDIIQQNKERWKELAAQ
GESDLHKNSDLVNAEEKHDETHSTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name PDE1A phosphodiesterase 1A [Homo sapiens (human)]

Official Symbol PDE1A

Synonyms PDE1A; phosphodiesterase 1A, calmodulin-dependent; calcium/calmodulin-dependent 3,5-cyclic nucleotide phosphodiesterase 1A; hCam-1; cam-PDE 1A; 61 kDa Cam-PDE; phosphodiesterase-1A; calmodulin-dependent phosphodiesterase; 3,5 cyclic nucleotide phosphodiesterase; calcium/calmodulin-stimulated cyclic nucleotide phosphodiesterase; HCAM1; HSPDE1A; MGC26303;

Gene ID 5136

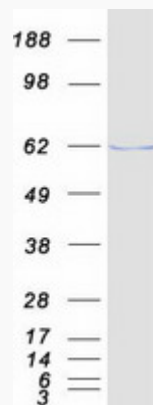
mRNA Refseq NM_005019

Protein Refseq NP_005010

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MIM 171890**UniProt ID** P54750**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