

**PDE1A Blocking Peptide (N-Term)**  
**Synthetic peptide**  
**Catalog # BP21735a**

**Specification**

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**PDE1A Blocking Peptide (N-Term) - Product Information**

Primary Accession [P54750](#)

**PDE1A Blocking Peptide (N-Term) - Additional Information**

**Gene ID** 5136

**Other Names**

Calcium/calmodulin-dependent 3', 5'-cyclic nucleotide phosphodiesterase 1A, Cam-PDE 1A, 61 kDa  
Cam-PDE, hCam-1, PDE1A

**Target/Specificity**

The synthetic peptide sequence is selected from aa 43-57 of HUMAN PDE1A

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**PDE1A Blocking Peptide (N-Term) - Protein Information**

**Name** PDE1A ([HGNC:8774](#))

**Function**

Calcium/calmodulin-dependent cyclic nucleotide phosphodiesterase with a dual specificity for the second messengers cGMP and cAMP, which are key regulators of many important physiological processes. Has a higher efficiency with cGMP compared to cAMP.

**Tissue Location**

Several tissues, including brain, kidney, testes and heart

**PDE1A Blocking Peptide (N-Term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**PDE1A Blocking Peptide (N-Term) - Images****PDE1A Blocking Peptide (N-Term) - Background**

Cyclic nucleotide phosphodiesterase with a dual- specificity for the second messengers cAMP and cGMP, which are key regulators of many important physiological processes. Has a higher affinity for cGMP than for cAMP.

**PDE1A Blocking Peptide (N-Term) - References**

Loughney K.,et al.J. Biol. Chem. 271:796-806(1996).  
Michibata H.,et al.Biochim. Biophys. Acta 1517:278-287(2001).  
Fidock M.D.,et al.Cell. Signal. 14:53-60(2002).  
Bechtel S.,et al.BMC Genomics 8:399-399(2007).  
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.