

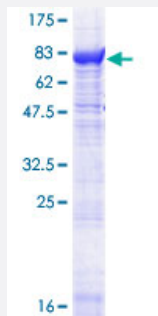
Full-Length

## PDE1A (Human) Recombinant Protein (P01)

Catalog # H00005136-P01

Size 25 ug, 10 ug

### Applications



### Specification

#### Product Description

Human PDE1A full-length ORF ( NP\_005010.2, 1 a.a. - 545 a.a.) recombinant protein with GST-tag at N-terminal.

#### Sequence

MGSSATEIEELENTTFKYL TGEQTEKMWQRLKGILRCLVKQLERGDVNVVDLKKNIEYAASVLEAV  
YIDETRRLDTEDELSDIQTDSVPSEVRDVLASTFTRKMGMTKKKPEEKPKFRSMHAVQAGIFVE  
RMYRKTYHMGVGLAYPAAVITLKDVKWSFDVFALNEASGEHSLKFMIELFTRYDLINRFKIPVSC  
LITFAEALVGYSKYKNPYHNLHAADVTQTVHYMLHTGIMHWL TELEILAMVFAAAIHDIYEHTGTTN  
NFHIQTRSDVAILYNDRSVLENHHVSAAYRLMQEEEMNILINLSKDDWRDLRNLVIEMVLSTDMSG  
HFQQIKNIRNSLQQPEGIDRAKTMSLILHAADISHPAKSWKLHYRWTMALMEEFFLQGDKEAELGL  
PFSPLCDRKSTMVAQSQIGFIDFIVEPTFSLT DSTKVIPLIEEASKAETSSYVASSSTTIVGLHIAD  
ALRRSNTKGSMDSGYSYSPDYS LAAVDLKSFKNNLVDIQQNKERWKELAAQGESDLHKNSDLV  
NAEEKHDETHS

#### Host

Wheat Germ (in vitro)

#### Theoretical MW (kDa)

88.7

#### Preparation Method

[in vitro wheat germ expression system](#)

#### Purification

Glutathione Sepharose 4 Fast Flow

#### Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

#### Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction**

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Note**

Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — PDE1A

**Entrez GeneID**[5136](#)**GeneBank Accession#**[NM\\_005019.3](#)**Protein Accession#**[NP\\_005010.2](#)**Gene Name**

PDE1A

**Gene Alias**

HCAM1, HSPDE1A, MGC26303

**Gene Description**

phosphodiesterase 1A, calmodulin-dependent

**Omim ID**[171890](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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**Other Designations**

3',5' cyclic nucleotide phosphodiesterase|calcium/calmodulin-stimulated cyclic nucleotide phosphodiesterase|calmodulin-dependent phosphodiesterase|phosphodiesterase-1A

## Pathway

- [Calcium signaling pathway](#)
- [Purine metabolism](#)

- [Taste transduction](#)

## Disease

- [Cardiovascular Diseases](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Psychiatric Status Rating Scales](#)
- [Tobacco Use Disorder](#)