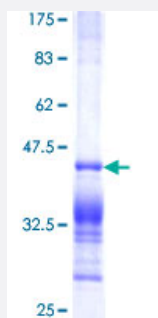


PDE1A (Human) Recombinant Protein (Q01)

Catalog # H00005136-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PDE1A partial ORF (NP_005010, 446 a.a. - 545 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	EASKAETSSYVASSSTTVGLHIADALRRSNTKGMSDGSYSPDYSLAAVDLKSFKNNLVDIIQQNK ERWKELAAQGESDLHKNSEDLVNAEEKHDETHS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
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
Protein Accession#	NP_005010
Gene Name	PDE1A
Gene Alias	HCAM1, HSPDE1A, MGC26303
Gene Description	phosphodiesterase 1A, calmodulin-dependent
Omim ID	171890
Gene Ontology	Hyperlink
Gene Summary	O
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](#)