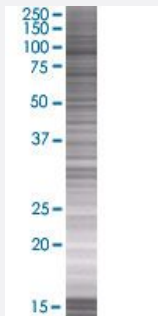


PDE8A 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00005151-T01

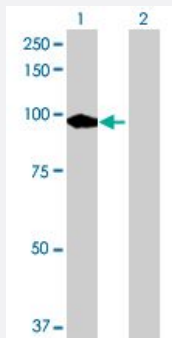
Size 100 uL

Applications



SDS-PAGE Gel

PDE8A transfected lysate.



Western Blot

Lane 1: PDE8A transfected lysate (91.3 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-PDE8A full-length
Host	Human
Theoretical MW (kDa)	91.3
Interspecies Antigen Sequence	Mouse (79); Rat (78)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-PDE8A antibody ([H00005151-B01](#)) by Western Blots.
SDS-PAGE Gel
PDE8A transfected lysate.
Western Blot
Lane 1: PDE8A transfected lysate (91.3 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

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

Applications

- Western Blot

Gene Info — PDE8A

Entrez GeneID[5151](#)**GeneBank Accession#**[NM_002605.2](#)**Protein Accession#**[NP_002596.1](#)**Gene Name**

PDE8A

Gene Alias

FLJ16150, HsT19550

Gene Description

phosphodiesterase 8A

Omim ID[602972](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Phosphodiesterases (PDEs) regulate the intracellular levels of cAMP and cGMP. These cyclic nucleotides play an important role as second messengers in multiple physiologic processes, including regulation of vascular resistance, cardiac output, visceral motility, immune response, inflammation, neuroplasticity, vision, and reproduction. PDEs comprise a large superfamily of enzymes divided into 10 families. Different PDEs can be distinguished by their structure, tissue expression, localization, substrate specificity, regulation, and sensitivity to PDE inhibitors. Diversity in structure and specificity of function make PDEs promising targets for the pharmacotherapy of diseases modulated by cyclic nucleotide signaling (Hetman et al., MIM 2000). See MIM 171885.[supplied by OMIM]

Other Designations

OTTHUMP00000192898|cAMP-specific cyclic nucleotide phosphodiesterase 8A|high-affinity cAMP-specific and IBMX-insensitive 3',5'-cyclic phosphodiesterase 8A

Pathway

- [Purine metabolism](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Polycystic Ovary Syndrome](#)