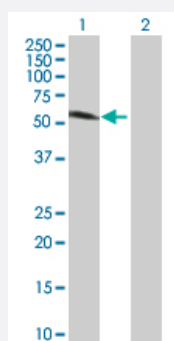


# PRKAR1B 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00005575-T01

Size 100 uL

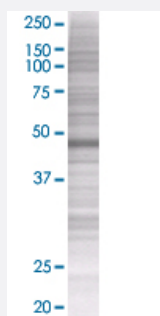
## Applications



### Western Blot

Lane 1: PRKAR1B transfected lysate ( 43.1 kDa)

Lane 2: Non-transfected lysate.



### SDS-PAGE Gel

PRKAR1B transfected lysate.

## Specification

**Transfected Cell Line** 293T

**Plasmid** pCMV-PRKAR1B full-length

**Host** Human

**Theoretical MW (kDa)** 43.1

**Quality Control Testing** Transient overexpression cell lysate was tested with Anti-PRKAR1B antibody ([H00005575-B01](#)) by Western Blots.  
Western Blot  
Lane 1: PRKAR1B transfected lysate ( 43.1 kDa)  
Lane 2: Non-transfected lysate.  
SDS-PAGE Gel  
PRKAR1B 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 — PRKAR1B

**Entrez GeneID**[5575](#)**GeneBank Accession#**[NM\\_002735](#)**Protein Accession#**[NP\\_002726](#)**Gene Name**

PRKAR1B

**Gene Alias**

PRKAR1

**Gene Description**

protein kinase, cAMP-dependent, regulatory, type I, beta

**Omim ID**[176911](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Cyclic AMP-dependent protein kinase A (PKA) is an essential enzyme in the signaling pathway of the second messenger cAMP. Through phosphorylation of target proteins, PKA controls many biochemical events in the cell including regulation of metabolism, ion transport, and gene transcription. The PKA holoenzyme is composed of 2 regulatory and 2 catalytic subunits and dissociates from the regulatory subunits upon binding of cAMP. [supplied by OMIM]

**Other Designations**

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## Pathway

- [Apoptosis](#)
- [Insulin signaling pathway](#)