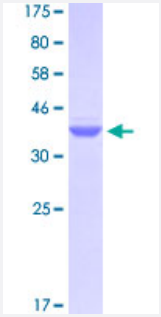
# PRKAR1B (Human) Recombinant Protein (Q01)

Catalog # H00005575-Q01 Size 25 ug, 10 ug

## Applications




## Specification

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|---|---|
| **Product Description** | Human PRKAR1B partial ORF (NP_002726.1, 1 a.a. - 90 a.a.) recombinant protein with GST tag at N-terminal. |
| **Sequence** | MASPPACPSEEDESLKGCELYVQLHGIQQVLKDCIVHLCISKPERPMKFLREHFEKLEKEENRQIL ARQKSNSQSDSHDEEVSPTPPNPV |
| **Host** | Wheat Germ (in vitro) |
| **Theoretical MW (kDa)** | 35.64 |
| **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 — PRKAR1B

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|---|---|
| **Entrez GeneID** | 5575 |
| **GeneBank Accession#** | NM_002735.1 |
| **Protein Accession#** | NP_002726.1 |
| **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 bio chemical events in the cell including regulation of metabolism, ion transport, and gene transcriptio n. The PKA holoenzyme is composed of 2 regulatory and 2 catalytic subunits and dissociates fro m the regulatory subunits upon binding of cAMP.[supplied by OMIM |
| **Other Designations** | - |

## Pathway

- Apoptosis
- Insulin signaling pathway