

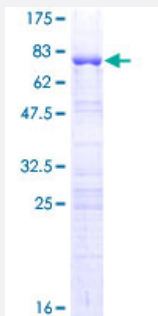
Full-Length

# GKAP1 (Human) Recombinant Protein (P02)

Catalog # H00080318-P02

Size 25 ug, 10 ug

## Applications



## Specification

### Product Description

Human GKAP1 full-length ORF ( NP\_079487.2, 1 a.a. - 366 a.a.) recombinant protein with GST-tag at N-terminal.

### Sequence

MASAVLSSVPTTASRFALLQVDSGSGSDSEPGKGKGRNTGKSQTLGSKSTTNEKKREKRRKKK  
EQQQSEANELRNLAFFKIPQKSSHAVCNAQHDLPLSNPVQKDSREENWQEWQRDEQLTSEM  
FEADLEKALLLSKLEYEEHKKEYEDAENTSTQSKVMNKKDKRKNHQGKDRPLTVSLKDFHSEDHI  
SKKTEELSSSQTLSHDGGFFNRLEDDVHKILIREKRREQLTEYNGTDNCTAHEHNQEVVLKDGRIE  
RLKLELERKDAEIQKLKNVITQWEAKYKEVKARNAQLLKMLQEGEMKDKAEILLQVDESQSIKNE  
TIQVTSLSHAALQERSKVVLQAELAKYQGGRKGKRNSSEDQCR

### Host

Wheat Germ (in vitro)

### Theoretical MW (kDa)

68.5

### Interspecies Antigen Sequence

Mouse (87); Rat (90)

### 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 — GKAP1

**Entrez GeneID**[80318](#)**GeneBank Accession#**[NM\\_025211.2](#)**Protein Accession#**[NP\\_079487.2](#)**Gene Name**

GKAP1

**Gene Alias**

FKSG21, FLJ25469, GKAP42

**Gene Description**

G kinase anchoring protein 1

**Omim ID**[611356](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene encodes a protein that is highly similar to the mouse cGMP-dependent protein kinase anchoring protein 42kDa. The mouse protein has been found to localize with the Golgi and recruit cGMP-dependent protein kinase I alpha to the Golgi in mouse testes. It is thought to play a role in germ cell development. Transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

**Other Designations**

cGMP-dependent protein kinase anchoring protein 42kDa|protein kinase anchoring protein GKAP42