

## Recombinant Human AKAP1 protein, His-tagged

Cat. No. AKAP1-9517H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human AKAP1 protein(31-351 aa), fused with N-terminal His tag, was expressed in E. coli.                                                                                                                                                 |
| <b>Species</b>          | fruit fly                                                                                                                                                                                                                                            |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | 31-351 aa                                                                                                                                                                                                                                            |
| <b>Tag</b>              | N-His                                                                                                                                                                                                                                                |
| <b>Form</b>             | The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization.              |
| <b>Purity</b>           | 85%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                             |
| <b>Storage</b>          | Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.       |
| <b>Reconstitution</b>   | Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage. After reconstitution with sterile water, if glycerol has no effect on subsequent experiments, it is recommended to add an equal volume of glycerol for long-term storage. |

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**AA Sequence**

GHVSSHDEQQVEAGAVQLRADPAIKEPLPVEDVCPKVVSTPPSVTEPPEKELSTVS  
 KLPAEPPALLQTHPPCRRSESSGILPNTTDMRLRPGTRRDDSTKLELALTGGEAKSI  
 PLECPLSSPKGVLFFSSKSAEVCKQDSPFSRVPRKVQPGYPVVPAAEKRSSGERARET  
 GGAEGTGDAVLGEKVLEEALLSREHVLELENSKGPSLASLEGEEDKGKSSSSQVVG  
 PVQEEYVAEKLPSRFIESAHTELAKDDAAPAPPVADAKAQDRGVEGELGNEESLD  
 RNEEGLDRNEEGLDRNEESLDRNEEGLDRNEEIKRAAFQI

**GENE INFORMATION**
**Gene Name**

AKAP1 A kinase (PRKA) anchor protein 1 [ Homo sapiens ]

**Official Symbol**

AKAP1

**Synonyms**

AKAP1; A kinase (PRKA) anchor protein 1; PRKA1; A-kinase anchor protein 1, mitochondrial; AKAP84; AKAP121; AKAP149; D AKAP1; dual specificity A kinase anchoring protein 1; PPP1R43; protein kinase anchoring protein 1; protein phosphatase 1; regulatory subunit 43; S AKAP84; SAKAP84; AKAP 149; D-AKAP-1; protein kinase A1; A-kinase anchor protein 149 kDa; protein kinase A anchoring protein 1; spermatid A-kinase anchor protein 84; protein phosphatase 1, regulatory subunit 43; dual-specificity A-kinase anchoring protein 1; AKAP; D-AKAP1; MGC1807;

**Gene ID**

8165

**mRNA Refseq**

NM\_001242902

**Protein Refseq**

NP\_001229831

**MIM**

602449

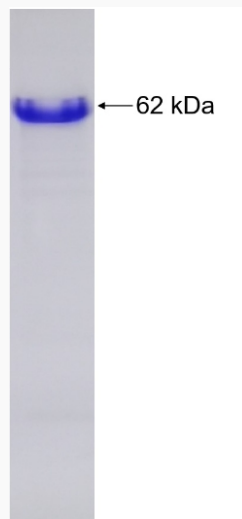
**UniProt ID**

Q92667

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**SDS-PAGE**

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