

## Recombinant Mouse Akap5 Protein, His&GST-tagged

**Cat. No.** Akap5-110M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant Mouse Akap5 Protein (Met1-Gln161) with N-His&GST tag was expressed in E. coli.  |
| <b>Species</b>          | Mouse   |
| <b>Source</b>           | E.coli  |
| <b>ProteinLength</b>    | Met1-Gln161   |
| <b>Description</b>      | Enables adenylate cyclase binding activity. Involved in clustering of voltage-gated calcium channels; clustering of voltage-gated potassium channels; and receptor clustering. Acts upstream of or within amylase secretion. Located in cytoskeleton and plasma membrane. Is expressed in brain. Orthologous to human AKAP5 (A-kinase anchoring protein 5). |
| <b>Form</b>             | Freeze-dried powder   |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 47.9 kDa<br>Accurate Molecular Mass: 63 kDa   |
| <b>Purity</b>           | > 97%   |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.  |
| <b>Stability</b>        | The thermal stability is described by the loss rate. The loss rate was determined by  |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

**Storage**

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

**Storage Buffer**

PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.

**Reconstitution**

Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## GENE INFORMATION

**Gene Name**

[Akap5 A kinase \(PRKA\) anchor protein 5 \[ Mus musculus \(house mouse\) \]](#)

**Official Symbol**

[Akap5](#)

**Synonyms**

AKAP5; A kinase (PRKA) anchor protein 5; A-kinase anchor protein 5; A-kinase anchor protein 150 kDa; cAMP-dependent protein kinase regulatory subunit II high affinity-binding protein; P150; Gm258; AKAP-5; AKAP150; AKAP 150; BB098886; 3526401B18Rik

**Gene ID**

[238276](#)

**mRNA Refseq**

[NM\\_001101471](#)

**Protein Refseq**

[NP\\_001094941](#)

**UniProt ID**

[D3YVF0](#)

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