

## Recombinant Mouse Akap7 Protein, Myc/DDK-tagged

**Cat. No.** Akap7-1578M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                               |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length A kinase (PRKA) anchor protein 7 (Akap7), with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                                                                                                                                          |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | Probably targets cAMP-dependent protein kinase (PKA) to the cellular membrane or cytoskeletal structures. The membrane-associated form reduces epithelial sodium channel (ENaC) activity, whereas the free cytoplasmic form may negatively regulate ENaC channel feedback inhibition by intracellular sodium. |
| <b>Molecular Mass</b>   | 35.9 kDa                                                                                                                                                                                                                                                                                                      |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                   |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                                                                                                                                                                 |
| <b>Storage</b>          | Store at -80 centigrade after receiving vials.                                                                                                                                                                                                                                                                |
| <b>Concentration</b>    | >50 µg/mL as determined by microplate BCA method                                                                                                                                                                                                                                                              |
| <b>Storage Buffer</b>   | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                         |

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## GENE INFORMATION

|                        |                                                                                                                                                                                                                                           |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | Akap7 A kinase (PRKA) anchor protein 7 [ Mus musculus (house mouse) ]                                                                                                                                                                     |
| <b>Official Symbol</b> | Akap7                                                                                                                                                                                                                                     |
| <b>Synonyms</b>        | Akap7; A kinase (PRKA) anchor protein 7; Aka; AKAP15; Akap18; A1662165; BB170514; 6430401D08; A-kinase anchor protein 7; A-kinase anchor protein 18; A-kinase anchor protein 9 kDa; AKAP 9; AKAP-18; protein kinase A anchoring protein 7 |
| <b>Gene ID</b>         | 432442                                                                                                                                                                                                                                    |
| <b>mRNA Refseq</b>     | NM_018747                                                                                                                                                                                                                                 |
| <b>Protein Refseq</b>  | NP_061217                                                                                                                                                                                                                                 |
| <b>UniProt ID</b>      | Q7TN79                                                                                                                                                                                                                                    |

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