

## Recombinant Mouse Snx33 Protein, Myc/DDK-tagged

**Cat. No.** Snx33-6034M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length sorting nexin 33 (Snx33), with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | Plays a role in the reorganization of the cytoskeleton, endocytosis and cellular vesicle trafficking via its interactions with membranes, WASL, DNM1 and DNM2. Acts both during interphase and at the end of mitotic cell divisions. Required for efficient progress through mitosis and cytokinesis. Required for normal formation of the cleavage furrow at the end of mitosis. Modulates endocytosis of cell-surface proteins, such as APP and PRNP; this then modulates the secretion of APP and PRNP peptides. Promotes membrane tubulation (in vitro). May promote the formation of macropinosomes. |
| <b>Molecular Mass</b>   | 65.3 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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|               |                                                  |
|---------------|--------------------------------------------------|
| Concentration | >50 µg/mL as determined by microplate BCA method |
|---------------|--------------------------------------------------|

|                |                                                       |
|----------------|-------------------------------------------------------|
| Storage Buffer | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol. |
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## GENE INFORMATION

|           |                                                       |
|-----------|-------------------------------------------------------|
| Gene Name | Snx33 sorting nexin 33 [ Mus musculus (house mouse) ] |
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|-----------------|-------|
| Official Symbol | Snx33 |
|-----------------|-------|

|          |                                                                                                                                          |
|----------|------------------------------------------------------------------------------------------------------------------------------------------|
| Synonyms | SNX33; sorting nexin 33; sorting nexin-33; SH3 and PX domain containing 3; SH3 and PX domain-containing protein 3; Sh3px3; E130307J07Rik |
|----------|------------------------------------------------------------------------------------------------------------------------------------------|

|         |        |
|---------|--------|
| Gene ID | 235406 |
|---------|--------|

|             |           |
|-------------|-----------|
| mRNA Refseq | NM_175483 |
|-------------|-----------|

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|----------------|-----------|
| Protein Refseq | NP_780692 |
|----------------|-----------|

|            |        |
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| UniProt ID | Q4VAA7 |
|------------|--------|

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