

## Recombinant Mouse Zfyve19 Protein, Myc/DDK-tagged

**Cat. No.** Zfyve19-7102M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of Mouse zinc finger, FYVE domain containing 19 (Zfyve19), with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Description</b>      | Key regulator of abscission step in cytokinesis: part of the cytokinesis checkpoint, a process required to delay abscission to prevent both premature resolution of intercellular chromosome bridges and accumulation of DNA damage. Together with CHMP4C, required to retain abscission-competent VPS4 (VPS4A and/or VPS4B) at the midbody ring until abscission checkpoint signaling is terminated at late cytokinesis. Deactivation of AURKB results in dephosphorylation of CHMP4C followed by its dissociation from ZFYVE19/ANCHR and VPS4 and subsequent abscission. |
| <b>Molecular Mass</b>   | 43.2 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. |
|----------------|-------------------------------------------------------|

## GENE INFORMATION

|           |                                                                               |
|-----------|-------------------------------------------------------------------------------|
| Gene Name | Zfyve19 zinc finger, FYVE domain containing 19 [ Mus musculus (house mouse) ] |
|-----------|-------------------------------------------------------------------------------|

|                 |         |
|-----------------|---------|
| Official Symbol | Zfyve19 |
|-----------------|---------|

|          |                                                                                                                          |
|----------|--------------------------------------------------------------------------------------------------------------------------|
| Synonyms | ZFYVE19; zinc finger, FYVE domain containing 19; zinc finger FYVE domain-containing protein 19; 1500041L05Rik; MGC117612 |
|----------|--------------------------------------------------------------------------------------------------------------------------|

|         |       |
|---------|-------|
| Gene ID | 72008 |
|---------|-------|

|             |           |
|-------------|-----------|
| mRNA Refseq | NM_028054 |
|-------------|-----------|

|                |           |
|----------------|-----------|
| Protein Refseq | NP_082330 |
|----------------|-----------|

|            |        |
|------------|--------|
| UniProt ID | Q9DAZ9 |
|------------|--------|

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