

## Recombinant Mouse Mtus2 Protein, Myc/DDK-tagged

**Cat. No.** Mtus2-4225M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length microtubule associated tumor suppressor candidate 2 (Mtus2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.                        |
| <b>Species</b>          | Mouse                                                                                                                                                                                          |
| <b>Source</b>           | HEK293                                                                                                                                                                                         |
| <b>Description</b>      | Binds microtubules. Together with MAPRE1 may target the microtubule depolymerase KIF2C to the plus-end of microtubules. May regulate the dynamics of microtubules at their growing distal tip. |
| <b>Molecular Mass</b>   | 147.4 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

|                 |                                                                                                                                                                                                                                                                                                            |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | Mtus2 microtubule associated tumor suppressor candidate 2 [ Mus musculus (house mouse) ]                                                                                                                                                                                                                   |
| Official Symbol | Mtus2                                                                                                                                                                                                                                                                                                      |
| Synonyms        | MTUS2; microtubule associated tumor suppressor candidate 2; microtubule-associated tumor suppressor candidate 2 homolog; cardiac zipper protein; tracking protein of 150 kDa; microtubule plus-end tracking protein TIP150; Cazip; Gm763; AU067634; mKIAA0774; 5730592G18Rik; A730013O20Rik; C130038G02Rik |
| Gene ID         | 77521                                                                                                                                                                                                                                                                                                      |
| mRNA Refseq     | NM_029920                                                                                                                                                                                                                                                                                                  |
| Protein Refseq  | NP_084196                                                                                                                                                                                                                                                                                                  |
| UniProt ID      | Q3UHD3                                                                                                                                                                                                                                                                                                     |

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