

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

**Cat. No.** Whamm-7000M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of Mouse WAS protein homolog associated with actin, golgi membranes and microtubules (Whamm), with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | <p>Acts as a nucleation-promoting factor (NPF) that stimulates Arp2/3-mediated actin polymerization both at the Golgi apparatus and along tubular membranes. Involved as a regulator of Golgi positioning and morphology. Its activity in membrane tubulation requires F-actin and interaction with microtubules. Proposed to use coordinated actin-nucleating and microtubule-binding activities of distinct WHAMM molecules to drive membrane tubule elongation; when MT-bound can recruit and remodel membrane vesicles but is prevented to activate the Arp2/3 complex. Required for RhoD-dependent actin reorganization such as in cell adhesion and cell migration. Participates in vesicle transport between the reticulum endoplasmic and the Golgi complex.</p> |
| <b>Molecular Mass</b>   | 89.4 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

 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

|                         |                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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.                                                                                                                                                                                                                                                                                 |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                       |
| <b>Gene Name</b>        | Whamm WAS protein homolog associated with actin, golgi membranes and microtubules [ Mus musculus (house mouse) ]                                                                                                                                                                                                                      |
| <b>Official Symbol</b>  | Whamm                                                                                                                                                                                                                                                                                                                                 |
| <b>Synonyms</b>         | Whamm; WAS protein homolog associated with actin, golgi membranes and microtubules; Whdc1; BB081391; mKIAA1971; WASP homolog-associated protein with actin, membranes and microtubules; WAS protein homology region 2 domain containing 1; WAS protein homology region 2 domain-containing protein 1; WH2 domain-containing protein 1 |
| <b>Gene ID</b>          | 434204                                                                                                                                                                                                                                                                                                                                |
| <b>mRNA Refseq</b>      | NM_001004185                                                                                                                                                                                                                                                                                                                          |
| <b>Protein Refseq</b>   | NP_001004185                                                                                                                                                                                                                                                                                                                          |
| <b>UniProt ID</b>       | Q571B6                                                                                                                                                                                                                                                                                                                                |