

Recombinant Mouse Whamm Protein, Myc/DDK-tagged

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

SPECIFICATION

Product Overview	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.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	89.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	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  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Store at -80 centigrade after receiving vials.
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	Whamm WAS protein homolog associated with actin, golgi membranes and microtubules [<i>Mus musculus</i> (house mouse)]
Official Symbol	Whamm
Synonyms	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
Gene ID	434204
mRNA Refseq	NM_001004185
Protein Refseq	NP_001004185
UniProt ID	Q571B6