

Recombinant Mouse Plekhm1 Protein, Myc/DDK-tagged

Cat. No. Plekhm1-4932M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length pleckstrin homology domain containing, family M (with RUN domain) member 1 (Plekhm1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Proposed to act as a multivalent adapter protein that regulates Rab7-dependent and HOPS complex-dependent fusion events in the endolysosomal system and couples autophagic and the endocytic trafficking pathways. Required for late stages of endolysosomal maturation, facilitating both endocytosis-mediated degradation of growth factor receptors and autophagosome clearance. Seems to be involved in the terminal maturation of autophagosomes and to mediate autophagosome-lysosome fusion Positively regulates lysosome peripheral distribution and ruffled border formation in osteoclasts May be involved in negative regulation of endocytic transport from early endosome to late endosome/lysosome implicating its association with Rab7. May have a role in sialyl-lex-mediated transduction of apoptotic signals. Involved in bone resorption
Molecular Mass	118.5 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

 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

handling conditions. Avoid repeated freeze-thaw cycles.

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 Plekhm1 pleckstrin homology domain containing, family M (with RUN domain) member 1 [*Mus musculus* (house mouse)]

Official Symbol [Plekhm1](#)

Synonyms PLEKHM1; pleckstrin homology domain containing, family M (with RUN domain) member 1; pleckstrin homology domain-containing family M member 1; PH domain-containing family M member 1; B2; AP162; BC038943; D330036J23Rik

Gene ID [353047](#)

mRNA Refseq [NM_183034](#)

Protein Refseq [NP_898855](#)

UniProt ID [Q7TSI1](#)

 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