

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

**Cat. No.** Plvap-4945M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length plasmalemma vesicle associated protein (Plvap), with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                                                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Description</b>      | Endothelial cell-specific membrane protein involved in the formation of the diaphragms that bridge endothelial fenestrae. It is also required for the formation of stomata of caveolae and transendothelial channels. Functions in microvascular permeability, endothelial fenestrae contributing to the passage of water and solutes and regulating transcellular versus paracellular flow in different organs. Plays a specific role in embryonic development. |
| <b>Molecular Mass</b>   | 49.9 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                                                                                                                                                                                                                                                                                                                                                                                                                 |

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**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

|                        |                                                                                                                                                    |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | Plvap plasmalemma vesicle associated protein [ Mus musculus (house mouse) ]                                                                        |
| <b>Official Symbol</b> | Plvap                                                                                                                                              |
| <b>Synonyms</b>        | PLVAP; plasmalemma vesicle associated protein; plasmalemma vesicle-associated protein; MECA-32 antigen; plasmalemma vesicle protein 1; Pv1; MECA32 |
| <b>Gene ID</b>         | 84094                                                                                                                                              |
| <b>mRNA Refseq</b>     | NM_032398                                                                                                                                          |
| <b>Protein Refseq</b>  | NP_115774                                                                                                                                          |
| <b>UniProt ID</b>      | Q91VC4                                                                                                                                             |

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