



Recombinant Protein Technical Manual  
Recombinant Mouse P-selectin/CD62P Protein (Fc  
Tag)  
RPES0742

### Product Data:

**Product SKU:** RPES0742

**Size:** 10µg

**Species:** Mouse

**Expression host:** Human Cells

**Uniprot:** Q01102

### Protein Information:

**Molecular Mass:** 99.5 kDa

**AP Molecular Mass:** 34&11030 kDa

**Tag:** C-Fc

**Bio-activity:**

**Purity:** > 90% as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation:** Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** P-selectin; CD62 antigen-like family member P; Granule membrane protein 140; GMP40; Leukocyte-endothelial cell adhesion molecule 3; LECAM3; PADGEM

## Immunogen Information:

**Sequence:** Trp42-Ala709

## Background:

P-selectin/CD62P is a single-pass type I membrane protein which is a member of the Selectin family. It consists 768 amino acid (aa). P-selectin is a cell surface glycoprotein expressed by activated platelets and endothelial cells. It induced expression in lung, liver, kidney and heart after endotoxin treatment. Ca<sup>2+</sup>-dependent receptor for myeloid cells that binds to carbohydrates on neutrophils and monocytes. It mediates the interaction of activated endothelial cells or platelets with leukocytes. The ligand recognized is sialyl-Lewis X. It also mediates rapid rolling of leukocyte rolling over vascular surfaces during the initial steps in inflammation through interaction with PSGL1. P-selectin interacts with SNX17, PSGL1/SEPL, PODXL2, mediates neutrophil adhesion and leukocyte rolling. This interaction requires the sialyl-Lewis X epitope of PSGL1 and PODXL2, and specific tyrosine sulfation on PSGL1.