

## Recombinant Mouse P-selectin/CD62P Protein (AVI & His Tag)

**Catalog Number:** PKSM041370

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

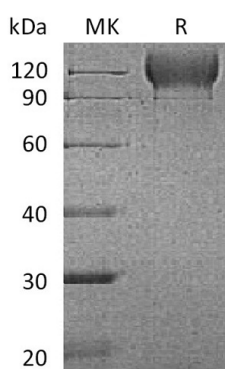
### Description

<b>Species</b>	Mouse
<b>Source</b>	HEK293 Cells-derived Mouse P-selectin/CD62P protein Trp42-Ala709, with an C-terminal Avi & His
<b>Calculated MW</b>	75.2 kDa
<b>Observed MW</b>	110-130 kDa
<b>Accession</b>	Q01102
<b>Bio-activity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 90 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
	Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

### Data



> 90 % as determined by reducing SDS-PAGE.

### Background

### For Research Use Only

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.  $\text{Ca}^{2+}$ -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.