



## Recombinant Protein Technical Manual

Recombinant Mouse PSGL/CD162 Protein (aa 42-307, Fc Tag)  
RPES0724

### Product Data:

**Product SKU:** RPES0724

**Size:** 10µg

**Species:** Mouse

**Expression host:** Human Cells

**Uniprot:** Q62170

### Protein Information:

**Molecular Mass:** 54.7 kDa

**AP Molecular Mass:** 90 kDa

**Tag:** C-Fc

**Bio-activity:**

**Purity:** > 95% 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 20mM PB,150mM NaCl,pH7.4.

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

**Application:**

**Synonyms:** CD162;Psgl;Psgl1;Selp1;CLA; PSGL1; PSGL

## Immunogen Information:

**Sequence:** Gln42-Cys307

## Background:

P-selectin glycoprotein ligand 1 is the high affinity counter-receptor for P-selectin on expressed on activated endothelial cells and platelets. As such, it plays a critical role in the tethering of these cells to activated platelets or endothelia expressing P-selectin. As cell adhesion molecules, multiple studies have shown that PSGL/ P-selectin interaction is required for the normal recruitment of leukocytes during inflammatory reactions, and also participates in hemostatic responses. PSGL can also bind to other two members of the selectin family, E-selectin (endothelial) and L-selectin (leukocyte), but binds best to P-selectin.