



Recombinant Protein Technical Manual  
Recombinant Human PSGL/CD162 Protein (His & Fc  
Tag)  
RPES2636

Product Data:

**Product SKU:** RPES2636

**Size:** 50µg

**Species:** Human

**Expression host:** HEK293 Cells

**Uniprot:** AAC50061.1

Protein Information:

**Molecular Mass:** 57.1 kDa

**AP Molecular Mass:** 11020 kDa

**Tag:** C-His & 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 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.

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

**Formulation:** Lyophilized from sterile PBS, pH 7.4

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

**Application:**

**Synonyms:** P-selectin glycoprotein ligand 1; PSGL; Selectin P ligand; CD162; SELPLG;CLA;PSGL1

## Immunogen Information:

**Sequence:** Met 1-Val295

## Background:

P-selectin glycoprotein ligand (PSGL), also known as SELPLG or CD162, is the high affinity counter-receptor for P-selectin on expressed on activated endothelial cells and platelets. PSGL is a mucin-type glycoprotein, expressed on leukocytes and platelets as a homodimer of two disulfide-linked subunits of ~120 kD. 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 protein requires two distinct posttranslational modifications for the Ca<sup>2+</sup>-dependent recognition by the lectin domain of P-selectin, that is tyrosine sulfation and specific O-linked glycosylation (sialic acid and fucose). 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.