

Datasheet for ABIN6973201

**SELPLG Protein (AA 42-320) (His tag,AVI tag,Biotin)**[Go to Product page](#)**1** Image

## Overview

Quantity:	200 µg
Target:	SELPLG
Protein Characteristics:	AA 42-320
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SELPLG protein is labelled with His tag,AVI tag,Biotin.

## Product Details

Specificity:	Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.
Characteristics:	Biotinylated Human PSGL-1 / CD162 Protein, His,Avitag™
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

## Target Details

Target:	SELPLG
Alternative Name:	PSGL-1 ( <a href="#">SELPLG Products</a> )
Background:	P-selectin glycoprotein ligand 1 (PSGL-1) is also known as Selectin P ligand (SELPLG), CD antigen CD162. PSGL-1 is disulfide-linked homodimer which is the high affinity counter-receptor for P-selectin on expressed on activated endothelial cells and platelets. PSGL-1 / SELPLG

## Target Details

---

interacts with P-, E- and L-selectins, through their lectin/EGF domains, is required for promoting recruitment and rolling of leukocytes. These interactions require sialyl Lewis X glycan modification but there is a differing dependence for tyrosine sulfations. Dimerization appears not to be required for P-selectin/SELP binding. PSGL-1 can interact with SNX20, MSN and SYK. PSGL-1 / SELPLG mediate the activation of SYK by SELPLG.

---

Molecular Weight: 32.4 kDa

NCBI Accession: [NP\\_002997](#)

## Application Details

---

Comment: Ready-to-use Avitag™ biotinylated protein:  
The product is exclusively produced using the Avitag™ technology. Briefly, a unique 15 amino acid peptide, the Avi tag, is introduced into the recombinant protein during expression vector construction. The single lysine residue in the Avi tag is enzymatically biotinylated by the E. Coli biotin ligase BirA.

This single-point enzymatic labeling technique brings many advantages for commonly used binding assays. The biotinylation happens on the lysine residue of Avi tag, and therefore does NOT interfere with the target protein's natural binding activities. In addition, when immobilized on an avidin-coated surface, the protein orientation is uniform because the position of the Avi tag in the protein is precisely controlled.

---

Restrictions: For Research Use only

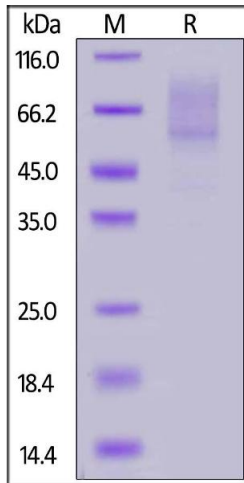
## Handling

---

Format: Lyophilized

Buffer: PBS, pH 7.4

Storage: -20 °C



### SDS-PAGE

**Image 1.** Biotinylated Human PSGL-1, His,Avitag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90 % .