

## Recombinant Human SELPLG Protein, His-tagged

Cat. No. SELPLG-2049H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human SELPLG Protein (Ala25-Pro287) with N-His tag was expressed in CHO.
<b>Species</b>	Human
<b>Source</b>	CHO
<b>ProteinLength</b>	Ala25-Pro287
<b>Description</b>	<p>This gene encodes a glycoprotein that functions as a high affinity counter-receptor for the cell adhesion molecules P-, E- and L- selectin expressed on myeloid cells and stimulated T lymphocytes. As such, this protein plays a critical role in leukocyte trafficking during inflammation by tethering of leukocytes to activated platelets or endothelia expressing selectins. This protein requires two post-translational modifications, tyrosine sulfation and the addition of the sialyl Lewis x tetrasaccharide (sLex) to its O-linked glycans, for its high-affinity binding activity. Aberrant expression of this gene and polymorphisms in this gene are associated with defects in the innate and adaptive immune response. Alternate splicing results in multiple transcript variants.</p>
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 28.8 kDa
<b>Purity</b>	> 97%

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<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## GENE INFORMATION

<b>Gene Name</b>	SELPLG selectin P ligand [ Homo sapiens (human) ]
<b>Official Symbol</b>	SELPLG
<b>Synonyms</b>	SELPLG; selectin P ligand; CLA; CD162; PSGL1; PSGL-1; P-selectin glycoprotein ligand 1; cutaneous lymphocyte-associated associated antigen
<b>Gene ID</b>	6404
<b>mRNA Refseq</b>	NM_001206609
<b>Protein Refseq</b>	NP_001193538
<b>MIM</b>	600738

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UniProt ID

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