

Recombinant Human SELPLG Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human SELPLG Protein (Ala25-Pro287) with N-His tag was expressed in CHO.
Species	Human
Source	CHO
ProteinLength	Ala25-Pro287
Description	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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 28.8 kDa
Purity	> 97%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

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

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UniProt ID

Q14242

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