

Recombinant Human SELPLG Protein, C-His-tagged

Cat. No. SELPLG-129H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SELPLG Protein with C-His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	PSGL-1 (P-Selectin glycoprotein ligand, also designated CD162), exists as a disulfide-linked homodimer. PSGL-1 is a type 1 membrane protein that localizes on the tips of microvilli of leukocytes. Its extracellular domain is rich in serines, threonines and prolines, and includes a series of 15 and 16 ecameric repeats in HL-60 and U-937 cells, and human leukocytes, respectively. Although PSGL-1 appears to be the sole receptor for P-Selectin on human hematopoietic cells, it also interacts with E-Selectin through a unique binding site. In order to bind PSGL-1 to either E-Selectin or P-Selectin, PSGL-1 must be sialylated and fucosylated. PSGL-1 is a mucin-like molecule, much like leukosialin (CD43), CD164 and CD34. These proteins belong to an emerging family of cell adhesion receptors called sialomucins, which transduce negative signals in hematopoietic cells.
Molecular Mass	~31 kDa
AA Sequence	QATEYEYLDYDFLPETEPPEMLRNSTDTTPLTGPGTPESTTVEPAARRSTGLDAGG AVTELTTELANMGNLSTDSAAMEIQTTQPAATEAQTTQVPVTEAQTTPLAATEAQTT RLTAATEAQTTPLAATEAQTTPPAATEAQTTQPTGLEAQTTAPAAMEAQTTAPAAMEA QTTPPAAMEAQTTQTTAMEAQTTAPEATEAQTTQPTATEAQTTPLAAMEALSTEPS

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	ATEALSMEPTTKRGLFIPFSVSSVTHKGIPMAASNLSVNYPVGAPDHISVKQC
Purity	Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).
Notes	For research use only, not for use in diagnostic procedure.
Storage	Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.
Concentration	≥0.5 mg/mL
Storage Buffer	PBS, 4M Urea, pH7.4

GENE INFORMATION

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

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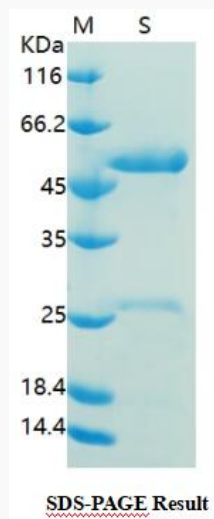
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UniProt ID

Q14242

SDS-PAGE

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