

Recombinant Human SELPLG Protein, hlgG/His-tagged

Cat. No. SELPLG-03H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human PSGL-1 (496aa), fused to hlgG-His-tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques.
Species	Human
Source	HEK293
ProteinLength	42-295
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	Liquid
Molecular Mass	53.4 kDa

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AA Sequence	QATEYEYLDYDFLPETEPPEMLRNSTDTTPLTGPGTPESTTVEPAARRSTGLDAGG AVTELTTELANMGNLSTDSAAMEIQTTQPAATEAQTTPLAATEAQTTRLTATEAQTT PLAATEAQTTPPAATEAQTTQPTGLEAQTTAPAAMEAQTTAPAAMEAQTTPPAAME AQTTQTTAMEAQTTAPEATEAQTTQPTATEAQTTPLAAMEALSTEPSATEALSMEPT TKRGLFIPFSVSSVTHKGIPMAASNLSV
Endotoxin	< 1 EU/μg of protein (determined by LAL method)
Purity	>90% by SDS-PAGE
Applications	SDS-PAGE
Storage	Can be stored at 2 to 8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/mL (determined by Absorbance at 280nm)
Storage Buffer	Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

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_003006

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Protein Refseq	NP_002997
MIM	600738
UniProt ID	Q14242

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