

PSGL-1 / CD162 / SELPLG recombinant protein

Recombinant Mouse PSGL-1 / CD162 / SELPLG Protein (Fc tag)

CATALOG # AAA173586	HOST Human Cells.
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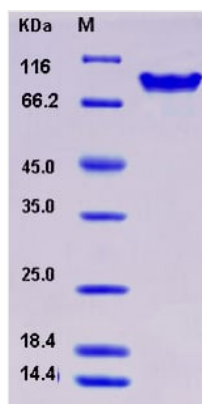
PRODUCT SYNONYMS

PSGL-1 / CD162 / SELPLG; Recombinant Mouse PSGL-1 / CD162 / SELPLG Protein (Fc tag); CD162; Psgl-1; Psgl1; Selp1; Selp1; PSGL-1 / CD162 / SELPLG recombinant protein

PRODUCT SPECIFICATIONS

Host	Human Cells.
Purity/Purification	> 85 % as determined by SDS-PAGE
Form/Format	Lyophilized from sterile PBS, pH 7.4, 5% trehalose, 5% mannitol, 0.01% Tween 80
Sequence Length	397
Source	Mouse
Predicted N Terminal	Leu 18
Protein Construction	A DNA sequence encoding the extracellular domain of mouse SELPLG (Q62170) (Met 1-Cys 307) was fused with the Fc region of human IgG1 at the C-terminus.
Endotoxin	< 1.0 EU per ug of the protein as determined by the LAL method
Molecular Mass	The secreted recombinant mouse SELPLG /Fc is a disulfide-linked homodimer. The reduced monomer comprises 531 amino acids and has a calculated molecular mass of 57.4 kDa. As a result of glycosylation, the apparent molecular mass of rmSELPLG/Fc monomer is approximately 82..
Reconstitution	It is recommended that sterile water(200uL) be added to the vial to prepare a stock solution of 0.25 mg/mL. Concentration is measured by UV- Vis.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C
Preparation and Storage	Store it under sterile conditions at -20°C to -80°C . It is recommended that the protein be aliquoted and be used as soon as possible. Avoid repeated freeze-thaw cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for PSGL-1 / CD162 / SELPLG recombinant protein	P-selectin glycoprotein ligand-1 (PSGL-1), also known as SELPLG or CD162, is the high affinity counter-receptor for P-selectin on expressed on activated endothelial cells and platelets. PSGL-1 is a mucin-type glycoprotein, expressed on leukocytes and platelets as a homodimer of two disulfide-linked subunits of ~120 kD. As cell adhesion molecules, multiple studies have shown that PSGL-1/ P-selectin interaction is required for the normal recruitment of leukocytes during inflammatory reactions, and also participates in hemostatic responses. PSGL-1 protein requires two distinct posttranslational modifications for the Ca²⁺-dependent recognition by the lectin domain of P-selectin, that is tyrosine sulfation and specific O-linked glycosylation (sialic acid and fucose). PSGL-1 can also bind to other two members of the selectin family, E-selectin (endothelial) and L-selectin (leukocyte), but binds best to P-selectin. Description: A DNA sequence encoding the extracellular domain of mouse SELPLG (Q62170) (Met 1-Cys 307) was fused with the Fc region of human IgG1 at the C-terminus.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	341942014
NCBI GeneID	20345
UniProt Accession #	Q62170
NCBI Official Full Name	P-selectin glycoprotein ligand 1
NCBI Official Synonym Full Names	selectin, platelet (p-selectin) ligand
NCBI Official Symbol	Selp1g
NCBI Official Synonym Symbols	CD162; Psgl1; Selp1; Selp1; Psgl-1
NCBI Protein Information	P-selectin glycoprotein ligand 1
UniProt Protein Name	P-selectin glycoprotein ligand 1
UniProt Gene Name	Selp1g
UniProt Synonym Gene Names	Selp1; Selp1; PSGL-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.