

PSGL-1 / CD162 recombinant protein

Recombinant Human PSGL-1 / CD162 Protein (His & Fc tag)

CATALOG # AAA173564	HOST Human Cells
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PRODUCT SYNONYMS

PSGL-1 / CD162; Recombinant Human PSGL-1 / CD162 Protein (His & Fc tag); CD162; CLA; PSGL-1; PSGL1; PSGL-1 / CD162 recombinant protein

PRODUCT SPECIFICATIONS

Host	Human Cells
Purity/Purification	> 95 % as determined by reducing SDS-PAGE.
Form/Format	Lyophilized from sterile PBS, pH 7.4, 5% Trehalose, 5% Mannitol, 0.01% Tween-80.
Sequence	Met1-Val29 5
Species	Human
Expression host	HEK293 Cells
Tag	C-His & Fc
Endotoxin	< 1.0 EU per ug of the protein as determined by the LAL method
Reconstitution	It is recommended that sterile water(800?l) be added to the vial to prepare a stock solution of 0.25mg/mL. Concentration is measured by UV-Vis.
Preparation and Storage	Lyophilized proteins are stable for up to 12 months when stored at -20 to -80 degree C. Reconstituted protein solution can be stored at 4-8 degree C for 2-7 days. Aliquots of reconstituted samples are stable at < -20 degree C for 3 months. Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for PSGL-1 / CD162 recombinant protein	P-selectin glycoprotein ligand-1 (PSGL-1), also known as SELPLG or CD162, is the high affinitycounter-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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	435417
NCBI GeneID	6404
Molecular Weight	Mol Mass: 57.1 kDa AP Mol Mass: 110-120 kDa
NCBI Official Full Name	ligand for P-selectin
NCBI Official Synonym Full Names	selectin P ligand
NCBI Official Symbol	SELPLG
NCBI Official Synonym Symbols	CLA; CD162; PSGL1; PSGL-1
NCBI Protein Information	P-selectin glycoprotein ligand 1
UniProt Protein Name	P-selectin glycoprotein ligand 1
UniProt Gene Name	SELPLG
UniProt Synonym Gene Names	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.