

32-4796: Recombinant Human Selectin P Ligand

Alternative Name : Cutaneous Lymphocyte-Associated Associated Antigen, Selectin P Ligand, PSGL-1, CD162 Antigen, P-Selectin Glycoprotein Ligand 1, CLA.

Description

Source : Escherichia Coli. SELPLG Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 103 amino acids (42-121) and having a molecular mass of 10.9 kDa. SELPLG is fused to a 23 amino acid His-tag at N-terminus. SELPLG glycoprotein functions as a high affinity counter-receptor for the cell adhesion selectin molecules (P, E and L) located in stimulated T lymphocytes and myeloid cells. SELPLG binds leukocytes to activated platelets or endothelia expressing selectins, a vital role in leukocyte trafficking throughout inflammation. In order to have a high-affinity binding activity SELPLG needs two post-translational modifications, tyrosine sulfation and the addition of the sialyl Lewis x tetrasaccharide (sLex) to its O-linked glycans. Polymorphisms and abnormal expression of SELPLG are linked to defects in the innate and adaptive immune response. Alternate splicing results in multiple transcript variants.

Product Info

Amount : 10 µg
Purification : Greater than 80% as determined by SDS-PAGE.
Content : The SELPLG solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 1mM DTT and 10% glycerol.
Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid : MGSSHHHHHH SGLVPRGSH MGSQATEY EY LDYDFLPETE PPEMLRNSTD TTPLTGPGTP ESTTVEPAAR RSTGLDAGGA VTELTTELAN MGNLSTDSAA MEI.

