

## 32-4796: Recombinant Human Selectin P Ligand(Discontinued)

**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

|                            |   |
|----------------------------|---|
| <b>Amount :</b>            | 10 µg   |
| <b>Purification :</b>      | Greater than 80% as determined by SDS-PAGE.   |
| <b>Content :</b>           | The SELPLG solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 1mM DTT and 10% glycerol.   |
| <b>Storage condition :</b> | 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. |
| <b>Amino Acid :</b>        | MGSSHHHHHH SSGLVPRGSH MGSQATEY EY LDYDFLPETE PPEMLRNSTD TTPLTGP GTP ESTTVEPAAR RSTGLDAGGA VTELTTELAN MGNLSTDSAA MEI.  |

