

32-13794: SELPLG Human

Format : The SELPLG solution (1mg/1ml) contains phosphate buffered saline (pH7.4) and 10% glycerol.
Alternative Name : Cutaneous Lymphocyte-Associated Associated Antigen, Selectin P Ligand, PSGL-1, CD162 Antigen, P-Selectin Glycoprotein Ligand 1, CLA.

Description

Source:HEK293 Cells.

Physical Appearance:Sterile filtered colorless solution.

Biological Activitynull

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.

SELPLG Human Recombinant produced in HEK293 Cells is a single, glycosylated polypeptide chain containing 496 amino acids (42-295 a.a) and having a molecular mass of 53.4kDa.SELPLG is fused to a 239 amino acid HlgG-His-Tag at C-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount : 20 µg / 5 µg
Purification : Greater than 90.0% as determined by SDS-PAGE.
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 : DGSQATEY EY LDYDFLPETE PPEMLRNSTD TTPLTGPGTP ESTTVEPAAR RSTGLDAGGA VTELTTELAN MGNLSTDSAA MEIQTTPQAA TEAQTTPPLAA TEAQTTRLTA TEAQTTPPLAA TEAQTTPPAA TEAQTTPQPTG LEAQTTPAAA MEAQTTPAAA MEAQTTPPAAA MEAQTTPQTTA MEAQTTPAEEA TEAQTTPQPTA TEAQTTPPLAA MEALSTEPSA TEALSMEPTT KRGLFIPFSV SSVTHKGIPM AASNLSVLEP KSCDKTHTCP PCPAPELLGG PSVFLFPPKP KDTLMISRTP EVTCVVVDVS HEDPEVKFNW YVDGVEVHNA KTKPREEQYN STYRVVSVLT VLHQDWLNGK EYKCKVSNKA LPAPIEKTIS KAKGQPREPQ VYTLPPSRDE LTKNQVSLTC LVKGFYPSDI AVEWESNGQP ENNYKTTTPV LDSDGSFFLY SKLTVDKSRW QQGNVFSCSV MHEALHNHYT QKSLSLSPGK HHHHHH