9051 Mira Mesa Blvd, #910094
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SELPLG Human

Selectin P Ligand Human Recombinant
RCP2021

Product Overview

Name	SELPLG Human

Description

Selectin P Ligand Human Recombinant

Accession (Primary)	Q14242

Synonyms

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

Introduction

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.

Source

HEK293 Cells.

Physical Appearance

Sterile filtered colorless solution.

Formulation

The SELPLG solution (1mg/1ml) contains phosphate buffered saline (pH7.4) and 10% glycerol.

Stability

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.

Purity

Greater than 90.0% as determined by SDS-PAGE.

Amino acid sequence

DGSQATEYEY LDYDFLPETE PPEMLRNSTD TTPLTGPGTP ESTTVEPAAR RSTGLDAGGA VTELTTELAN MGNLSTDSAA MEIQTTQPAA TEAQTTPLAA TEAQTTRLTA TEAQTTPLAA TEAQTTPPAA TEAQTTQPTG

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LEAQTTAPAA MEAQTTAPAA MEAQTTPPAA MEAQTTQTTA MEAQTTAPEA TEAQTTQPTA TEAQTTPLAA MEALSTEPSA TEALSMEPTT KRGLFIPFSV SSVTHKGIPM AASNLSV LEP KSCDKTHTCP PCPAPELLGG PSVFLFPPKP KDTLMISRTP EVTCVVVDVS HEDPEVKFNW YVDGVEVHNA KTKPREEQYN STYRVVSVLT VLHQDWLNGK EYKCKVSNKA LPAPIEKTIS KAKGQPREPQ VYTLPPSRDE LTKNQVSLTC LVKGFYPSDI AVEWESNGQP ENNYKTTPPV LDSDGSFFLY SKLTVDKSRW QQGNVFSCSV MHEALHNHYT QKSLSLSPGK HHHHHH

Precautions

SELPLG Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q14242)