NKMAXBIO We support you, we believe in your research

Recombinant human PSGL-1/CD162 protein

Catalog Number: ATGP2530

PRODUCT INFORMATION

Expression system

E.coli

Domain

42-121aa

UniProt No.

014242

NCBI Accession No.

NP 002997

Alternative Names

P-selectin glycoprotein ligand 1 isoform 2 precursor, CD162, CLA, PSGL-1, PSGL1

PRODUCT SPECIFICATION

Molecular Weight

10.9 kDa (103aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

Purity

> 80% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

SELPLG is a glycoprotein that functions as a high affinity counter-receptor for the cell adhesion molecules P-, E- and L- selectin expressed on myeloid cells and stimulated T lymphocytes. As such, this protein plays a critical role in leukocyte trafficking during inflammation by tethering of leukocytes to activated platelets or endothelia expressing selectins. This protein requires two post-translational modifications, tyrosine sulfation and the addition of the sialyl Lewis x tetrasaccharide (sLex) to its O-linked glycans, for its high-affinity binding activity. Aberrant expression of this gene and polymorphisms in this gene are associated with defects in the innate and



NKMAXBio We support you, we believe in your research

Recombinant human PSGL-1/CD162 protein

Catalog Number: ATGP2530

adaptive immune response. Alternate splicing results in multiple transcript variants. Recombinant human SELPLG protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

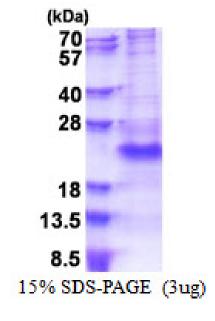
MGSSHHHHHH SSGLVPRGSH MGSQATEYEY LDYDFLPETE PPEMLRNSTD TTPLTGPGTP ESTTVEPAAR RSTGLDAGGA VTELTTELAN MGNLSTDSAA MEI

General References

Stubke K, Wicklein D, et al. (2012). Cancer Lett. 321(1):89-99. Gong L, Cai Y, et al. (2012). Pathol Oncol Res. 18(4):989-96.

DATA





3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.