

Datasheet for ABIN7596426

SELPLG Protein (AA 42-295) (hIgG-His-tag)



[Go to Product page](#)

Overview

Quantity:	500 µg
Target:	SELPLG
Protein Characteristics:	AA 42-295
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SELPLG protein is labelled with hIgG-His-tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	QATEY EY LDYDFLPETE PPEMLRNSTD TTPLTGPGTP ESTTVEPAAR RSTGLDAGGA VTELTTELAN MGNLSTDSAA MEIQTTPQAA TEAQTTPPLAA TEAQTTRLTA TEAQTTPPLAA TEAQTTPPAA TEAQTTPQPTG LEAQTTPAPAA MEAQTTPAPAA MEAQTTPPAA MEAQTTPQTTA MEAQTTPAPEA TEAQTTPQPTA TEAQTTPPLAA MEALSTEPSA TEALSMEPTT KRGLFIPFSV SSVTHKGIPM AASNLSV
Purity:	> 90% by SDS - PAGE
Endotoxin Level:	< 1 EU per 1 µg of protein (determined by LAL method)

Target Details

Target:	SELPLG
Alternative Name:	PSGL-1/CD162 (SELPLG Products)

Target Details

Background:	PSGL-1, also known CD162 or SELPLG, is a mucin-type 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. This protein plays a key role in leukocyte adhesion. As such, it plays a critical role in leukocyte trafficking during inflammation by tethering of leukocytes to activated platelets or endothelia expressing selectins. PSGL-1 binds chemokines such as CCL19, CCL21, and CCL27, promoting chemotaxis of hematopoietic stem cells and plasma cells to the bone marrow and T cell homing to lymphoid organs. 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 adaptive immune response. Recombinant human PSGL-1, fused to hIgG-His-tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques.
-------------	--

Molecular Weight:	53.4kDa (496aa)
-------------------	-----------------

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
--------------------	--

Restrictions:	For Research Use only
---------------	-----------------------

Handling

Format:	Liquid
---------	--------

Concentration:	1 mg/mL
----------------	---------

Storage:	4 °C,-20 °C,-80 °C
----------	--------------------

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