

## Recombinant Mouse Selp

**Cat. No.** Selp-8340M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Selp was expressed in NSO Cells.
<b>Species</b>	Mouse
<b>Source</b>	Mammalian Cells
<b>Description</b>	<p>Plasma Selectin (P-selectin) is a cell adhesion molecule (CAM) found in granules in endothelial cells (cells lining blood vessels) and activated platelets. P-Selectin is expressed on activated endothelium and platelets where it can bind monocytes, neutrophils, stimulated T cells, and platelets. P-selectin plays an essential role in the initial recruitment of leukocytes (white blood cells) to the site of injury during inflammation. When endothelial cells are activated by molecules such as histamine or thrombin during inflammation, P-selectin moves from an internal cell location to the endothelial cell surface. Thrombin is one trigger which can stimulate endothelial-cell release of P-selectin and recent studies suggest an additional Ca<sup>2+</sup>-independent pathway involved in release of P-selectin. P-selectin-mediated adhesion is an important factor in the development of early atherosclerotic lesions.</p>
<b>Form</b>	This recombinant protein was 0.2 µm filtered and lyophilized from modified Dulbecco's phosphate buffered saline (1X PBS) pH 7.2 – 7.3 with no calcium, magnesium, or preservatives.
<b>Molecular Mass</b>	The predicted molecular weight of Recombinant Mouse P-Selectin is Mr 99.1 kDa (monomer). However, the actual molecular weight as observed by migration on SDS-

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

PAGE is Mr 190-200 kDa.

**AA Sequence**

wtynystka yswnnsrvfc rrhftdlvai qnkneiahln dviplffnsy wigrirkinnk wtwvgtntkl  
 teeaenwadn epnnkknqd cveiyiksns apgkwndepc fkrkralcyt ascqdmcsn qgecietigs  
 ytcscypgfy gpeceyvkec gkvnipqhv l mncshplgef sfnsqctfsc aegyeldgpg elqclasgiw  
 tnnppkcdav qcqsleapph gtmacmhpia afaydssckf ecqpgyrarg sntlhctgsg qwseplptce  
 aiaceppeip ihgsmdcvps tgftgynssc tflcaegfvl kgndaiqcad sgqwtapapf cealqcpefp  
 vpskaqvncs dpfgtltyqs vcsfscdegs llvgasvirc latghwngap pecqavscap mlspengsmt  
 cvqplgnsty kstcqfmcde gfyfsgperl dcspsghwgt tpttceaic pgifapeqgn ldcshvhgef  
 gvgsichfsc nedfellgse nvectvsgrw sappptckgi tslpapavrc paltpgggt mscqhhlgf  
 gpnttcyfgc ktgftlrgan slrcrasgqw tavtpmcrav kcselhmdta vamncsnpwg nfsygstctf  
 qcpegqslng svratcredg hwsdamptcq aglttiqei egrmdpkscd kthtppcpa pellggpsvf  
 lfppkpkdtl misrtpevtc vvdvshedp evkfnwyvdg vevhnaktk reeqynstyr vsvltvlhq  
 dwlngkeykc kvsnkapp iektiskakg qprepvytl ppsrdeltn qvsltlvkg fypsdiavew  
 esngqpenny ktpplvdsd gsfflysklt vdkswqqgn vfscsvmhea lnhhtqksl slspgk

**Endotoxin**

<1.0 eu/μg="" as="" determined="" by="" the="" lal="">

**Purity**

>90% by SDS-PAGE and analyzed by silver stain.

**Storage**

This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles.

## GENE INFORMATION

**Gene Name**

[Selp selectin, platelet \[ Mus musculus \]](#)

**Official Symbol**

Selp

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<b>Synonyms</b>	SELP; selectin, platelet; P-selectin; granule membrane protein 140; CD62 antigen-like family member P; leukocyte-endothelial cell adhesion molecule 3; platelet activation dependent granule-external membrane protein; Grmp; CD62P; LECAM3; PADGEM; GMP-140; MGC129336; MGC129337;
<b>Gene ID</b>	<a href="#">20344</a>
<b>mRNA Refseq</b>	<a href="#">NM_011347</a>
<b>Protein Refseq</b>	<a href="#">NP_035477</a>
<b>Pathway</b>	Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem; Cell surface interactions at the vascular wall, organism-specific biosystem; Hemostasis, organism-specific biosystem; IL-3 Signaling Pathway, organism-specific biosystem; Malaria, organism-specific biosystem; Malaria, conserved biosystem;
<b>Function</b>	binding; calcium-dependent protein binding; eukaryotic cell surface binding; fucose binding; glycoprotein binding; heparin binding; lipopolysaccharide binding; oligosaccharide binding; protein binding; sialic acid binding; sialic acid binding; sugar binding;

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