Recombinant Human SELP

Cat. No. SELP-8327H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SELP was expressed in CHO.
Species	Human
Source	CHO
Description	This gene encodes a 140 kDa protein that is stored in the alpha-granules of platelets and Weibel-Palade bodies of endothelial cells. This protein redistributes to the plasma membrane during platelet activation and degranulation and mediates the interaction of activated endothelial cells or platelets with leukocytes. The membrane protein is a calcium-dependent receptor that binds to sialylated forms of Lewis blood group carbohydrate antigens on neutrophils and monocytes. Alternative splice variants may occur but are not well documented.
Molecular Mass	The predicted molecular weight of Recombinant Human GMP-140, LECAM-3, PADGEM, CD62P is Mr 80 kDa. However, the actual molecular weight as observed by migration on SDS-PAGE is Mr 121-124 kDa, reducing conditions kDa.
Endotoxin	<1.0 eu/μg="" as="" determined="" by="" the="" lal="">
Purity	>97% 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

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	Freeze Thaw Cycles.

GENE INFORMATION

Gene Name	SELP selectin P (granule membrane protein 140kDa, antigen CD62) [Homo sapiens]
Official Symbol	SELP
Synonyms	SELP; selectin P (granule membrane protein 140kDa, antigen CD62); GRMP, selectin P (granule membrane protein 140kD, antigen CD62); P-selectin; CD62; CD62P; GMP140; PADGEM; PSEL; GMP-140; granule membrane protein 140; granulocyte membrane protein; CD62 antigen-like family member P; platelet alpha-granule membrane protein; leukocyte-endothelial cell adhesion molecule 3; platelet activation dependent granule-external membrane protein; GRMP; LECAM3; FLJ45155;
Gene ID	6403
mRNA Refseq	NM_003005
Protein Refseq	NP_002996
UniProt ID	P16109
Chromosome Location	1q22-q25
Pathway	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

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	Signaling Pathway, organism-specific biosystem; IL4-mediated signaling events, organism-specific biosystem; Malaria, organism-specific biosystem;
Function	calcium-dependent protein binding; eukaryotic cell surface binding; fucose binding; glycoprotein binding; glycosphingolipid binding; heparin binding; lipopolysaccharide binding; oligosaccharide binding; protein binding; sialic acid binding; sugar binding;

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