Recombinant Human SELP

Cat. No. SELP-27886TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to the signal peptide and the extracellular amino acids 1-771 of Human CD62P, expressed in modified human 293 cells, 85kDa.
Species	Human
ProteinLength	1-771 a.a.
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.
Tissue specificity	Stored in the alpha-granules of platelets and Weibel-Palade bodies of endothelial cells. Upon cell activation by agonists, P-selectin is transported rapidly to the cell surface.
Form	Lyophilised:It is recommended that 0.5 ml of sterile phosphate-buffered saline be added to the vial.
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 10% Trehalose, 1% Human serum albumin, PBS

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Storage	Shipped at 4°C. After reconstitution store at -20oC. Avoid freeze / thaw cycles.
Sequences of amino acids	Theoretical sequence:MANCQIAILYQRFQRVVFGISQLLCFSAL ISELTNQKEVAAWT YHYSTKAYSWNISRKYCQNRYTDL VAIQNKNEIDYLNKVLPYYSSYYWIGIRKNNKT WTWVGTK KALTNEAENWADNEPNNKRNNEDCVEIYIKSPSAPGKW NDEHCLKKK HALCYTASCQDMSCSKQGECLETIGNYTCSC YPGFYGPECEYVRECGELELPQHV LMNCSHPLGNFSFN SQCSFHCTDGYQVNGPSKLECLASGIWTNKPPQCLAAQ CP PLKIPERGNMTCLHSAKAFQHQSSCSFSCEEGFALVGP EVVQCTASGVWTAPAPV CKAVQCQHLEAPNEGTMDCVH PLTAFAYGSSCKFECQPGYRVRGLDMLRCIDSGH WSAP LPTCEAISCEPLESPVHGSMDCSPSLRAFQYDTNCSFRCA EGFMLRGADIV RCDNLGQWTAPAPVCQALQCQDLPVPN EARVNCSHPFGAFRYQSVCSFTCNEGL LLVGASVLQCLATGNWNSVPPECQAIPCTPLLSPQNGTMTCVQPLGSSSYK STCQF ICDEGYSLSGPERLDCTRSGRWTDSPPMCEAIK CPELFAPEQGSLDCSDTRGEFN VGSTCHFSCNNGFKLEGP NNVECTTSGRWSATPPTCKGIASLPTPGVQCPALTTP G QGTMYCRHHPGTFGFNTTCYFGCNAGFTLIGDSTLSCR PSGQWTAVTPACRAV KCSELHVNKPIAMNCSNLWGNFSYG SICSFHCLEGQLLNGSAQTACQENGHWSTT VPTCQAGP LTIQEA
Sequence Similarities	Belongs to the selectin/LECAM family.Contains 1 C-type lectin domain.Contains 1 EGF-like domain.Contains 9 Sushi (CCP/SCR) domains.

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;

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	CD62P; GMP140; PADGEM; PSEL;
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 Signaling Pathway, organism-specific biosystem;
Function	calcium-dependent protein binding; eukaryotic cell surface binding; fucose binding; glycoprotein binding; glycosphingolipid binding;

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