



[Go to Product page](#)

Datasheet for ABIN7535437
P-Selectin Protein (Fc Tag,His tag)

Overview

Quantity:	100 µg
Target:	P-Selectin (SELP)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This P-Selectin protein is labelled with Fc Tag,His tag.

Product Details

Purpose:	Active Recombinant Human SELP/P-Selectin/CD62P Protein
Sequence:	WTYHYSTKAY SWNISRKYCQ NRYTDLVAIQ NKNEIDYLNK VLPYSSYYW IGIRKNNKTW TWVGTKKALT NEAENWADNE PNNKRNNEDC VEIYIKSPSA PGKWNDHCL KKKHALCYTA SCQDMSCSKQ GECLLETIGNY TCSCYPGFYQ PECEYVRECG ELELPQHVLN NCSHPLGNFS FNSQCSFHCT DGYQVNGPSK LECLASGIWT NKPPQCLAAQ CPPLKIPERG NMTCLHSAKA FQHQSSCSFS CEEGFALVGP EVVQCTASGV WTAPAPVCKA VQCQHLEAPS EGTMDCVHPL TAFAYGSSCK FECQPGYRVR GLDMLRCIDS GHWSAPLPTC EASCEPLES PVHGSMDCSP SLRAFQYDTN CSFRCAEGFM LRGADIVRCD NLGQWTAPAP VCQALQCQDL PVPNEARVNC SHPFGAFRYQ SVCSFTCNEG LLLVGASVLQ CLATGNWNSV PPECQAIPCT PLLSPQNGTM TCVQPLGSSS YKSTCQFICD EGYLSGPER LDCTRSGRWT DSPPMCEAIK CPELFAPEQG SLDCSDTRGE FNVGSTCHFS CDNGFKLEGP NNVECTTSGR WSATPPTCKG IASLPTPLGQ CPALTPGQG TMYCRHHPGT FGFNTTCYFG CNAGFTLIGD STLSCRPSGQ WTAVTPACRA VKCESELHVNK PIAMNCSNLW GNFSYGSICS FHCLEGQLLN GSAQTACQEN GHWSTTVPTC

Product Details

	QAGPLTIQEA
Specificity:	Trp42-Ala771
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	<1EU/µg
Biological Activity Comment:	Measured by the ability of the immobilized protein to support the adhesion of U937 human histiocytic lymphoma cells. When 5 x 10E4 cells/well are added to Human SELP coated plates (10 µg/mL with 100 µL/well), > 80% cells will adhere after 1 hour at 37°C. 2. Measured by its binding ability in a functional ELISA. Immobilized PE Mouse Anti-Human CD62P Antibody at 1 µg/mL (25 µL/well) can bind Human CD62P with a linear range of 0.46-7.82 ng/mL.

Target Details

Target:	P-Selectin (SELP)
Alternative Name:	SELP/P-Selectin/CD62P (SELP Products)
Background:	<p>Description: P selectin (SELP) is a 140 kDa protein that is stored in the alpha-granules of platelets and Weibel-Palade bodies of endothelial cells. SELP mediates rapid rolling of leukocyte rolling over vascular surfaces during the initial steps in inflammation through interaction with PSGL1. P selectin is a cell adhesion molecule on the surface of activated endothelial cells. Cellular adhesion molecules are a large family of proteins that attach the cytoskeleton and intracellular signaling cascades with the extracellular environment. SELP is a calcium-dependent receptor for myeloid cells that binds to sialylated forms of Lewis blood group carbohydrate antigens on neutrophils and monocytes. This protein redistributes to the plasma membrane during platelet activation and degranulation and mediates the interaction of activated endothelial cells or platelets with leukocytes.</p> <p>Name: CD62, CD62P, GMP140, GRMP, LECAM3, PADGEM, PSEL, CD62P/P-selectin, SELP, CD62P, GMP140, GRMP, LECAM3, PADGEM, PSEL</p>
Gene ID:	6403
UniProt:	P16109

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80°C for long term. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.