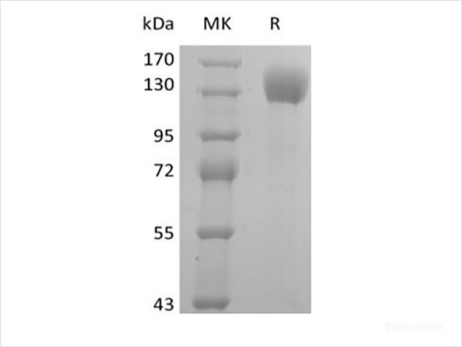
P-Selectin/CD62P (CD62P) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	P-selectin/CD62P, Recombinant Protein
Full Product Name	Recombinant Human P-selectin/CD62P (C-Fc)
Product Gene Name	CD62P recombinant protein
Product Synonym Names	P-selectin; CD62 antigen-like family member P; Granule membrane protein 140; GMP-140; Leukocyte-endothelial cell adhesion molecule 3; LECAM3; PADGEM
Sequence	Trp42-Ala7 71
Host	Human Cells
Form/Format	Lyophilized from a 0.2um filtered solution of PBS, pH7.4.
Purity/Purification	>95% as determined by reducing SDS-PAGE
Preparation and Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 degree C. Reconstituted protein solution can be stored at 4-8 degree C for 2-7 days. Aliquots of reconstituted samples are stable at < -20 degree C for 3 months. This product is provided as lyophilized powder which is shipped with ice packs.
Molecular Weight	90,834 Da
OMIM	173610
3D Structure	ModBase 3D Structure for P16109
Species	Human
Tag	C-Fc
Endotoxin	<1.0EU per ug as determined by the LAL method.
Protein Construction	Recombinant Human P-selectin is produced by our Mammalian expression system and the target gene encoding Trp42-Ala771 is expressed with a Fc tag at the C-terminus.
Product Categories/Family for CD62P recombinant protein	Cardiovascular; immunology; Stem cells
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CD62P recombinant protein	P-selectin/CD62P is a single-pass type I membrane protein which is a member of the Selectin family. It consists 768 amino acid (aa). P-selectin is a cell surface glycoprotein expressed by activated platelets and endothelial cells. It induced expression in lung, liver, kidney and heart after endotoxin treatment. Ca2+-dependent receptor for myeloid cells that binds to carbohydrates on neutrophils and monocytes. It mediates the interaction of activated endothelial cells or platelets with leukocytes. The ligand recognized is sialyl-Lewis X. it also mediates rapid rolling of leukocyte rolling over vascular surfaces during the initial steps in inflammation through interaction with PSGL1. P-selectin interacts with SNX17, PSGL1/SEPL, PODXL2, mediates neutrophil adhesion and leukocyte rolling. This interaction requires the sialyl-Lewis X epitope of PSGL1 and PODXL2, and specific tyrosine sulfation on PSGL1.
Other Notes	Small volumes of CD62P recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CD62P purchase	MBS2569209 is a recombinant protein targeting CD62P. Also known as Recombinant Human P-selectin/CD62P (C-Fc). Host: Human Cells.



SDS-Page of CD62P recombinant protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD62P. It may not necessarily be applicable to this product.

NCBI GI #	183389
NCBI GeneID	6403
NCBI Accession #	AAA35910.1
UniProt Primary Accession #	P16109
UniProt Secondary Accession #	Q5R344; Q8IVD1
UniProt Related Accession #	P16109
NCBI Official Full Name	granule membrane protein-140
NCBI Official Synonym Full Names	selectin P (granule membrane protein 140kDa, antigen CD62)
NCBI Official Symbol	SELP
NCBI Official Synonym Symbols	CD62; GRMP; PSEL; CD62P; GMP140; LECAM3; PADGEM
UniProt Protein Name	P-selectin
UniProt Synonym Protein Names	CD62 antigen-like family member P; Granule membrane protein 140; GMP-140; Leukocyte-endothelial cell adhesion molecule 3; LECAM3; Platelet activation dependent granule-external membrane protein
UniProt Gene Name	SELP
UniProt Synonym Gene Names	GMRP; GRMP; GMP-140; LECAM3; PADGEM
UniProt Entry Name	LYAM3_HUMAN
NCBI Protein Information	P-selectin; 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 mem
NCBI Summary for CD62P	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. [provided by RefSeq, Jul 2008]

UniProt Comments for CD62P	SELP: Ca(2+)-dependent receptor for myeloid cells that binds to carbohydrates on neutrophils and monocytes. Mediates the interaction of activated endothelial cells or platelets with leukocytes. The ligand recognized is sialyl-Lewis X. Mediates rapid rolling of leukocyte rolling over vascular surfaces during the initial steps in inflammation through interaction with PSGL1. Defects in SELP may be a cause of susceptibility to ischemic stroke (ISCHSTR); also known as cerebrovascular accident or cerebral infarction. A stroke is an acute neurologic event leading to death of neural tissue of the brain and resulting in loss of motor, sensory and/or cognitive function. Ischemic strokes, resulting from vascular occlusion, is considered to be a highly complex disease consisting of a group of heterogeneous disorders with multiple genetic and environmental risk factors. Belongs to the selectin/LECAM family. Protein type: Cell adhesion; Membrane protein, integral Chromosomal Location of Human Ortholog: 1q22-q25 Cellular Component: nucleoplasm; extracellular space; platelet alpha granule membrane; integral to plasma membrane; cytoplasm; plasma membrane; platelet dense granule membrane; external side of plasma membrane Molecular Function: heparin binding; protein binding; lipopolysaccharide binding; glycosphingolipid binding; glycoprotein binding; calcium-dependent protein binding; sialic acid binding; fucose binding Biological Process: positive regulation of phosphoinositide 3-kinase cascade; heterophilic cell adhesion; platelet activation; leukocyte adhesion; platelet degranulation; regulation of integrin activation; positive regulation of leukocyte migration; response to lipopolysaccharide; defense response to Gram-negative bacterium; blood coagulation; inflammatory response; leukocyte tethering or rolling; cell adhesion; leukocyte migration Disease: Ige Responsiveness, Atopic
Research Articles on CD62P	**1.** These findings suggest one molecular mechanism by which bromelain may exert its anti-inflammatory effects is via selective cleavage of PSGL-1 to reduce P-selectin-mediated neutrophil recruitment
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/recombinant-protein/p-selectin-cd62p/2569209