

Recombinant human CD62P protein (Fc Chimera)
ab83583

Description	
Product name	Recombinant human CD62P protein (Fc Chimera)
Biological activity	CD62P-Fc Chimera was shown to be active by its ability to bind HL 60 cells in a cell adhesion assay in a dose dependent manner.
Purity	> 95 % SDS-PAGE.
Expression system	HEK 293 cells
Accession	<u>P16109</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	<div>Theoretical Sequence: MANCQIAILYQRFQRVVFGISQLLCFSALISELTNQKEVAA WTYHYSTKA YSWNISRKYCQNRYTDLVAIQNKNEIDYLNKVLPPYSSYYWI GIRKNNKT WTWVGTKKALTNEAENWADNEPNNKRNNEDCVEYKSP SAPGKWDEHC LKKKHALCYTASCQDMSCSKQGECLTIGNYTCSCYPGFY GPECEVREC GELELPQHVL MNCSHPLGNFSFNSQCSFHCTDGYQVNG PSKLECLASGIW TNKPPQCLAAQCPPLKIPERGNMTCLHSAKAFQHQSSCS FSCEEGFALVG PEVVQCTASGVWTAPAPVCKAVQCQHLEAPNEGTMDC VHPLTAFAYGSSC KFECQPGYRVRGLDMLRCIDSGHWSAPLPTCEAISCEPL ESPVHGSMDCS PSLRAFQYDTNCSFRCAEGFMLRGADIVRCDNLGQWTAP APVCQALQCQD LPVPNEARVNC SHPFGAFRYQSVCSFTCNEGLLLVGASV LQCLATGNWNS VPPECQAIPCTPLLSPQNGTMTCVQPLGSSSYKSTCQFIC</div>

DEGYSLSGPE
 RLDCTRSGRWTDSPPMCEAIKCPelfAPEQGSldcSDTR
 GEFNVGSTCHF
 SCNNGFKLEGPNNVECTTSGRWSATPPTCKGIASLPTPG
 VQCPALTTPGQ
 GTMYCRHHPGTFGFNTTCYFGCNAGFTLIGDSTLSCRPSG
 QWTAVTPACR
 AVKCSelHVnKPIAMNCSNLWGNFSYGSICSfHCLEGQLL
 NgsAQtaCQE
 NGHWSTTVPTCQAGPLTIQEARSSNTKVDKKVEPKSCDK
 THTCPPCPAPE
 LLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEV
 KFNWYVDGVE
 VHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCK
 VSNKALPAPIE
 KTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFY
 PSDIAVEWES
 NGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQQGNV
 FSCSVmHEALH NHYTQKSLSLSPGK

Additional sequence information A fusion of the signal peptide and extracellular domain of human CD62P (aa 1-730) to the Fc region of human IgG1 (aa 93-330). The chimeric protein was expressed in modified human 293 cells.

Specifications

Our **Abpromise guarantee** covers the use of **ab83583** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications Functional Studies

SDS-PAGE

Form Lyophilized

Preparation and Storage

Stability and Storage Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
 Constituents: 10% Trehalose, 1% Human serum albumin
 This product is an active protein and may elicit a biological response in vivo, handle with caution.

Reconstitution It is recommended that 0.5 ml of sterile phosphate-buffered saline be added to the vial.

General Info

Function 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.

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.

Involvement in disease	Defects in SELP may be a cause of susceptibility to ischemic stroke (ISCHSTR) [MIM:601367]; 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.
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.
Cellular localization	Membrane.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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