

Product Information

MemDX™ Membrane Protein Human GP1BA (Glycoprotein Ib platelet subunit alpha) Full Length

Cat. No.: **MPC2737K**

This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human GP1BA membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

GP1BA

Protein Length

Full length

Protein Class

Cell adhesion

TMD

1

Sequence

MPLLLLLLLLPSPLPHHPICEVSKVASHLEVNC DKRNLTALPPDLPKDTT
ILHLSENLLYTFSLATLMPYTRLTQLNLDRC ELTKLQVDGTL PVLGTL DL
SHNQLQSLPLLGGTLPALT VLDVSFNRLTSLPLGALRGLGELQELYLKGN
ELKTLPPGLLTPPKLEKLSLANNNLTELPAGLLNGLENLDTLLQENSL
YTIPKGGFFGSHLLPFAFLHGNPWLCNCEILYFRRWLQDNAENVYVWKQGV
DVKAMTSNVASVQCDNSDKFPVYKYPGKGCPTLGDEGDTDL YDYYPEEDT
EGDKVRATRTVVKFPTKAHTTPWGLFYSWSTASLDSQMPSSLHPTQESTK
EQTTFPPRWTPNFTLHMESITFSKTPKSTTEPTSPPTTSEPVPEPAPNMT
TLEPTSPPTTPEPTSEPAPSPTTPEPTSEPAPSPTTPEPTSEPAPSPTTP
EPTPIPTIATSPTILVSATSLITPKSTFLTTTKPVSLLESTKKTIPELDQ
PPKLRGVLQGHLESSRNDPFLHPDFCCLLPLGFYVLGLFWLLFASVVLIL
LLSWVGHVKPQALDSGQGAALTTATQTTHLELQGRQVTVPRAWLLFLRG
SLPTFRSSLFLWVRPNRGRVGPLVAGRRPSALSQGRGQDLLSTVSIRYSGH
SL

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target**Target Protein**

GP1BA

Full Name

Glycoprotein Ib platelet subunit alpha

Introduction

Glycoprotein Ib (GP Ib) is a platelet surface membrane glycoprotein composed of a heterodimer, an alpha chain and a beta chain, that is linked by disulfide bonds. The Gp Ib functions as a receptor for von Willebrand factor (VWF). The complete receptor complex includes noncovalent association of the alpha and beta subunits with platelet glycoprotein IX and platelet glycoprotein V. The binding of the GP Ib-IX-V complex to VWF facilitates initial platelet adhesion to vascular subendothelium after vascular injury, and also initiates signaling events within the platelet that lead to enhanced platelet activation, thrombosis, and hemostasis. This gene encodes the alpha subunit. Mutations in this gene result in Bernard-Soulier syndromes and platelet-type von Willebrand disease. The coding region of this gene is known to contain a polymorphic variable number tandem repeat (VNTR) domain that is associated with susceptibility to nonarteritic anterior ischemic optic neuropathy.

Alternative Names

GP1BA; BSS; GP1B; VWDP; CD42B; GPIbA; BDPLT1; BDPLT3; DBPLT3; GPIbalpha; CD42b-alpha; platelet glycoprotein Ib alpha chain; GP-Ib alpha; antigen CD42b-alpha; glycoprotein Ib (platelet), alpha polypeptide; glycoprotein Ib platelet alpha subunit; mutant platelet membrane glycoprotein Ib-alpha; platelet membrane glycoprotein 1b-alpha subunit; platelet membrane glycoprotein Ib-alpha; Glycoprotein Ib platelet subunit alpha

Gene ID

[2811](#)

UniProt ID

[P07359](#)