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Product Information

MemDX™ Membrane Protein Human GP5 (Glycoprotein V platelet) Full Length

Cat. No.: **MPC4046K**
This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human GP5 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
GP5

Protein Length
Full length

Protein Class
Cell adhesion

TMD
1

Sequence
MLRGTLLCAVLGLLRAQPFPCPPACKCVFRDAAQCSGGDVARISALGLPT
NLTHILLFGMGRGVLQSQSFSGMTVLQRLMISDSHISAVAPGTFSDLIKL
KTLRLSRNKITHLPGALLDKMVLLEQLFLDHNALRGIDQNMFQKLVNLQE
LALNQNQLDFLPASLFTNLENLKLLDLSGNNLTHLPKGLLGAQAKLERLL
LHSNRLVSLDSGLLNSLGALTELQFHRNHIRSIAPGAFDRLPNLSSLTLS
RNHLAFLPSALFLHSHNLTLLTLFENPLAELPGVLFGEMGGLQELWLNRT
QLRTLPAAAFRNLSRLRYLGVTLSPRLSALPQGAFQGLGELQVLALHSNG
LTALPDGLLRGLGKLRQVSLRRNRLRALPRALFRNLSSLESVQLDHNQLE
TLPGDVFGALPRLTEVLLGHNSWRCDCGLGPFLGWLRQHLGLVGGEEPPR
CAGPGAHAGLPLWALPGGDAECPGPRGPPPRPAADSSSEAPVHPALAPNS
SEPWVWAQPVTTGKGQDHSPFWGFYFLLLAVQAMITVIIVFAMIKIGQLF
RKLIRERALG

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

GP5

Full Name

Glycoprotein V platelet

Introduction

Human platelet glycoprotein V (GP5) is a part of the Ib-V-IX system of surface glycoproteins that constitute the receptor for von Willebrand factor (VWF; MIM 613160) and mediate the adhesion of platelets to injured vascular surfaces in the arterial circulation, a critical initiating event in hemostasis. The main portion of the receptor is a heterodimer composed of 2 polypeptide chains, an alpha chain (GP1BA; MIM 606672) and a beta chain (GP1BB; MIM 138720), that are linked by disulfide bonds. The complete receptor complex includes noncovalent association of the alpha and beta subunits with platelet glycoprotein IX (GP9; MIM 173515) and GP5. Mutations in GP1BA, GP1BB, and GP9 have been shown to cause Bernard-Soulier syndrome (MIM 231200), a bleeding disorder.

Alternative Names

GP5; GPV; CD42d; platelet glycoprotein V; glycoprotein 5; Glycoprotein V platelet

Gene ID

2814

UniProt ID

P40197