

Product Information

MemDX™ Membrane Protein Human GP6 (Glycoprotein VI platelet) Expressed in NS0 for Antibody Discovery, Partial (21-267aa)

Cat. No.: **MPX0410K**

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

This product is a 27.7 kDa Human GP6 membrane protein expressed in NS0. 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

GP6

Protein Length

Partial (21-267aa)

Protein Class

Receptor

Molecular Weight

27.7 kDa

TMD

1

Sequence

QSGPLPKPSLQALPSSLVPLEKPVTLRCQG
PPGVDLYRLEKLSSSRYQDQAVLFIPAMKRSLAGRYRCSYQNGSLWSLPS
DQLELVATGVFAKPSLSAQPGPAVSSGGDVTLCQTRYGFDQFALYKEGD
PAPYKNPERWYRASFPITVTAHSGTYRCYSFSSRDPYLWSAPSDPLEL
VVTGTSVTPSRLPTEPPSPVAEFSEATAELTVSFTNEVFTTETSR SITAS
PKESDSPAGPARQYYTK

Product Description

Activity

Yes

Expression Systems

NS0

Tag

6xHis tag at the C-terminus

Protein Format

Soluble

Form

LYOPH

Reconstitution

Reconstitute at 100 µg/mL in sterile PBS.

Endotoxin

<1.0 EU per 1 µg of the protein by the LAL method.

Purity

>90%, by SDS-PAGE under reducing conditions and visualized by silver stain

Buffer

Lyophilized from a 0.2 µm filtered solution in PBS.

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target**Target Protein**

GP6

Full Name

Glycoprotein VI platelet

Introduction

This gene encodes a platelet membrane glycoprotein of the immunoglobulin superfamily. The encoded protein is a receptor for collagen and plays a critical role in collagen-induced platelet aggregation and thrombus formation. The encoded protein forms a complex with the Fc receptor gamma-chain that initiates the platelet activation signaling cascade upon collagen binding. Mutations in this gene are a cause of platelet-type bleeding disorder-11 (BDPLT11). Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.

Alternative Names

GP6; GPIV; GPVI; BDPLT11; platelet glycoprotein VI; glycoprotein 6; platelet collagen receptor; Glycoprotein VI platelet

Gene ID

[51206](#)

UniProt ID

[Q9HCN6](#)