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Product Information

MemDX™ Membrane Protein Human GYPC (Glycophorin C (Gerbich blood group)) Full Length

Cat. No.: **MPC3541K**
This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human GYPC membrane protein expressed in *E.coli*. 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
GYPC

Protein Length
Full length

Protein Class
Receptor

TMD
1

Sequence
MWSTRSPNSTAWPLSLEPDPGMASASTTMHTTTIAEPDPGMSGWPDGRME
TSTPTIMDIVVIAGVIAAVAIVLVSLLFVMLRYMYRHKGTYHTNEAKGTE
FAESADAALQGDPALQDAGDSSRKEYFI

Product Description

Expression Systems
E.coli

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

GYPC

Full Name

Glycophorin C (Gerbich blood group)

Introduction

Glycophorin C (GYPC) is an integral membrane glycoprotein. It is a minor species carried by human erythrocytes, but plays an important role in regulating the mechanical stability of red cells. A number of glycophorin C mutations have been described. The Gerbich and Yus phenotypes are due to deletion of exon 3 and 2, respectively. The Webb and Duch antigens, also known as glycophorin D, result from single point mutations of the glycophorin C gene. The glycophorin C protein has very little homology with glycophorins A and B. Alternate splicing results in multiple transcript variants.

Alternative Names

GYPC; GE; GPC; GPD; GYPD; CD236; PAS-2; CD236R; PAS-2'; glycophorin-C; Gerbich blood group antigen; glycoconnectin; glycophorin-D; glycoprotein beta; sialoglycoprotein D; Glycophorin C (Gerbich blood group)

Gene ID

2995

UniProt ID

P04921