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Product Information

MemDX™ Membrane Protein Human GYPC (Glycophorin C (Gerbich blood group)) for Antibody Discovery

Cat. No.: **MP0906J**
This product is for research use only and is not intended for diagnostic use.

This product is a 11.7 kDa Human GYPC membrane protein expressed in HEK293T. 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
Druggable Genome, Transmembrane

Molecular Weight
11.7 kDa

TMD
1

Sequence
MWSTRSPNSTAWPLSLEPDPGMSGWPDGRMETSTPTIMDIVVIAGVIAAVAIVLVSLLFVMLRYMYRHKG
TYHTNEAKGTEFAESADAALQGDPALQDAGDSSRKEYFI

Product Description

Expression Systems
HEK293T

Tag
C-Myc/DDK

Form
Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

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

CD236; CD236R; GE; GE:GPC:GPD:GYPD; GPC; GPD; GYPD; PAS-2; PAS-2

Gene ID

2995

UniProt ID

P04921