9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

GYPA Human

Glycophorin A Human Recombinant
RCP0983

Product Overview

Name	GYPA Human
Description	
Glycophorin A Human Recombinant	
Accession (Primary)	P02724
Synonyms	
Glycophorin A (MNS Blood Group), Glycophorin A (MN Blood Group), Sialoglycoprotein Alpha, MN Sialoglycoprotein, PAS-2, GPA, Erythroid-Lineage-Specific Membrane Sialoglycoprotein, Recombinant Glycophorin A-B Miltenberger-DR, Glycophorin A (Includes MN Blood Group), Mi.V Glycoprotein (24 AA), Glycophorin Sta Type C, Glycophorin A, GPA, Glycophorin Erik, Glycophorin MiV, Glycophorin SAT, CD235a Antigen, Glycophorin-A, HGpSta(C), HGpMiXI, CD235a, GPErik, HGpMiV, GPSAT, MNS, MN.	
Introduction	
Glycophorins A & B (GYPA &GYPB) are the main sialoglycoproteins of the human erythrocyte membrane which carry the antigenic determinants for the MN and Ss blood groups. Along with the M or N and S or s antigens which normally occur in all populations, approximately 40 related variant phenotypes were identified. These variants comprise all the variants of the Miltenberger complex and some isoforms of Sta, as well as Dantu, Sat, He, Mg, and deletion variants Ena, S-s-U- and Mk. GYPA is significant for the function of SLC4A1 and is necessary for high activity of SLC4A1. GYPA is involved in translocation of SLC4A1 to the plasma membrane. GYPA is also a receptor for: the influenza virus, Plasmodium falciparum erythrocyte-binding antigen 175 (EBA-175); binding of EBA-175 is dependent on sialic acid residues of the O-linked glycans and is also a receptor for Hepatitis A virus (HAV).	
Source	
Sf9, Insect cells.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
GYPA protein solution (1mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	

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Purity

Greater than 85.0% as determined by SDS-PAGE.

Amino acid sequence

ADP LSTTEVA MHTSTSSSVT KSYISSQTND THKRDTYAAT PRAHEVSEIS VRTVYPPEEE TGERVQLAHH FSEPE HHHHH H

Precautions

GYPA Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P02724)