
Product Data Sheet

Product Name: GYPC Human
 Cat. No.: GP23607
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Glycophorin C (Gerbich Blood Group); Sialoglycoprotein D; Glycoprotein Beta; Glycoconnectin; Glycophorin-D; PAS-2; GPD 3 4; GPC; Glycophorin-C; CD236 Antigen; CD236R; CD236; GYPD; GLPC; GE; Glycophorin-C; Glycoconnectin; Glycophorin-D; GPD; Glycoprotein beta; PAS-2'; Sialoglycoprotein D.		
Amino Acid Sequence	ADPMWSTRSP NSTAWPLSLE PDPGMASAST TMHTTTIAEP DPGMSGWPDG RMETSTPTIM HHHHHH.		
Formulation	GYPC protein solution (1mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

Introduction

Glycophorin C, also known as GYPC, is an integral membrane glycoprotein. GYPC is a minor species which is carried by human erythrocytes, however plays an important role in regulating the mechanical stability of red cells. Numerous glycophorin C mutations have been described. The Gerbich and Yus phenotypes are due to deletion of exon 3 & 2, respectively. The Webb & Duch antigens, also identified as glycophorin D, result from single point mutations of the glycophorin C gene. The glycophorin C protein has very slight homology with glycophorins A & B.

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.

Background

GYPC Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated

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polypeptide chain containing 66 amino acids (1-57a.a.) and having a molecular mass of 7.2kDa (Molecular size on SDS-PAGE will appear at approximately 18-28kDa). GYPC is expressed with a 6 amino acids His tag at C-Terminus and purified by proprietary chromatographic techniques.

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