

# Product information

## GYPC, 1-57aa

Human, His-tagged, Recombinant, Insect cell

Cat. No. IBATGP3547

**Full name:** Glycophorin-C isoform 1

**NCBI Accession No.:** NP\_002092

**Synonyms:** GYPC, CD236, CD236R, GE, GPC, GPD, GYPD, PAS-2, PAS-2'

**Description:** GYPC, also known as glycophorin-C isoform 1, 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. Recombinant human GYPC protein, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

**Form:** Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

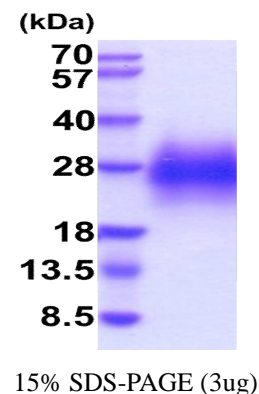
**Molecular Weight:** 7.2kDa (66aa)  
18-28KDa (SDS-PAGE under reducing conditions.)

**Predicted N terminal:** Ala

**Purity:** > 95% by SDS - PAGE.

**Concentration:** 1.0mg/ml (determined by Absorbance at 280nm)

**Endotoxin Level:** < 1.0 EU per 1µg of protein (determined by LAL method)



**Sequences of amino acids:**

ADPMWSTRSP NSTAWPLSLE PDPGMASAST TMHTTTIAEP DPGMSGWPDG RMETSTPTIM HHHHHH

**General references:**

Daniels G., *et al.* (1993) *Blood*. 82:3198-3203.

Wilder JA., *et al.* (2009) *Mol Biol Evol*. 26:2679-2687.

**For research use only. This product is not intended or approved for human, diagnostics or veterinary use.**



Manufactured for:  
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# Product information

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**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.  
Avoid repeated freezing and thawing cycles.

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