

Recombinant Human GYPC, GST-tagged

Cat. No. GYPC-13632H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GYPC protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-128a.a.
Description	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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

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Gene Name	GYPC glycophorin C (Gerbich blood group) [Homo sapiens]
Official Symbol	GYPC
Synonyms	GYPC; glycophorin C (Gerbich blood group); glycophorin-C; CD236; CD236R; Ge; GPC; GYPD; glycophorin-D; glycoconnectin; glycoprotein beta; sialoglycoprotein D; GE; GPD; PAS-2; MGC117309; MGC126191; MGC126192;
Gene ID	2995
mRNA Refseq	NM_001256584
Protein Refseq	NP_001243513
UniProt ID	P04921
Chromosome Location	2q14-q21
Pathway	Malaria, organism-specific biosystem; Malaria, conserved biosystem;
Function	protein binding;