

# Recombinant Human GYPC cell lysate

**Cat. No.** GYPC-769HCL    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species</b>        | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Description</b>    | 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. |
| <b>Size</b>           | 100 ul                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Storage Buffer</b> | 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Applications</b>   | Western Blot;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

## GENE INFORMATION

|                        |                                                                              |
|------------------------|------------------------------------------------------------------------------|
| <b>Gene Name</b>       | GYPC glycophorin C (Gerbich blood group) [ Homo sapiens ]                    |
| <b>Official Symbol</b> | GYPC                                                                         |
| <b>Synonyms</b>        | GYPC; glycophorin C (Gerbich blood group); glycophorin-C; CD236; CD236R; Ge; |

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|                            |                                                                                                                                    |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------|
|                            | GPC; GYPD; glycophorin-D; glycoconnectin; glycoprotein beta; sialoglycoprotein D; GE; GPD; PAS-2; MGC117309; MGC126191; MGC126192; |
| <b>Gene ID</b>             | 2995                                                                                                                               |
| <b>mRNA Refseq</b>         | NM_001256584                                                                                                                       |
| <b>Protein Refseq</b>      | NP_001243513                                                                                                                       |
| <b>UniProt ID</b>          | P04921                                                                                                                             |
| <b>Chromosome Location</b> | 2q14-q21                                                                                                                           |
| <b>Pathway</b>             | Malaria, organism-specific biosystem; Malaria, conserved biosystem;                                                                |
| <b>Function</b>            | protein binding;                                                                                                                   |

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