

# Recombinant Full Length Human GYPC Protein

**Cat. No.** GYPC-3378HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| <b>Product Overview</b> | Human GYPC full-length ORF (NP_002092.1) recombinant protein without tag.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>ProteinLength</b>    | 201 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <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. [provided by RefSeq |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Molecular Mass</b>   | 13.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>AA Sequence</b>      | MWSTRSPNSTAWPLSLEPDPGMASASTTMHTTTIAEPDPGMSGWPDGRMETSTPT<br>IMDIVVIAGVIAAVAILVLSLLFVMLRYMYRHKGTYHTNEAKGTEFAESADAALQGDP<br>ALQDAGDSSRKEYFI                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Applications</b>     | Antibody Production                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

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|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                         | Functional Study<br>Compound Screening                                                                                                                                                                          |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                                                                          |
| <b>Storage</b>          | Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                                                                         |
| <b>Storage Buffer</b>   | 25 mM Tris-HCl of pH8.0 containing 2% glycerol.                                                                                                                                                                 |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                 |
| <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; 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>MIM</b>              | 110750                                                                                                                                                                                                          |
| <b>UniProt ID</b>       | P04921                                                                                                                                                                                                          |