

## Recombinant Human GYPA protein, hFc-tagged

**Cat. No.** GYPA-3564H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human GYPA protein(P02724-1)(Ser20-Glu91), fused with C-terminal hFc tag, was expressed in HEK293.                                        |
| <b>Species</b>          | Human                                                                                                                                                 |
| <b>Source</b>           | HEK293                                                                                                                                                |
| <b>ProteinLength</b>    | Ser20-Glu91                                                                                                                                           |
| <b>Tag</b>              | C-hFc                                                                                                                                                 |
| <b>Form</b>             | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.                        |
| <b>Bio-activity</b>     | Anti-GPA Antibody immobilized on CM5 Chip can bind Human GPA, hFc Tag with an affinity constant of 0.72 uM as determined in SPR assay (Biacore T200). |
| <b>Molecular Mass</b>   | The protein has a predicted MW of 34.7 kDa. Due to glycosylation, the protein migrates to 45-70 kDa based on Tris-Bis PAGE result.                    |
| <b>Endotoxin</b>        | Less than 1EU per µg by the LAL method.                                                                                                               |
| <b>Purity</b>           | > 95% as determined by Tris-Bis PAGE;> 95% as determined by HPLC                                                                                      |
| <b>Storage</b>          | Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual                                                                     |

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defrost freezer and avoid repeated freeze-thaw cycles.

#### Reconstitution

Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.

## GENE INFORMATION

#### Gene Name

GYPA glycophorin A (MNS blood group) [ Homo sapiens ]

#### Official Symbol

GYPA

#### Synonyms

GYPA; glycophorin A (MNS blood group); glycophorin A (includes MN blood group) , glycophorin A (MN blood group) , MNS; glycophorin-A; CD235a; GPA; MN; glycophorin Mil; glycophorin MiV; glycophorin SAT; glycophorin Erik; glycophorin A, GPA; MN sialoglycoprotein; glycophorin Sta type C; sialoglycoprotein alpha; Mi.V glycoprotein (24 AA); glycophorin A (MN blood group); recombinant glycophorin A-B Miltenberger-DR; erythroid-lineage-specific membrane sialoglycoprotein; MNS; GPSAT; PAS-2; GP Erik; HGpMiV; HGpMiXI; HGpSta(C);

#### Gene ID

2993

#### mRNA Refseq

NM\_002099

#### Protein Refseq

NP\_002090

#### UniProt ID

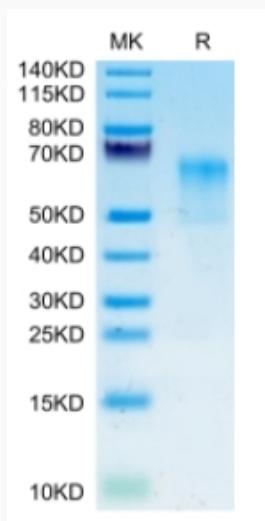
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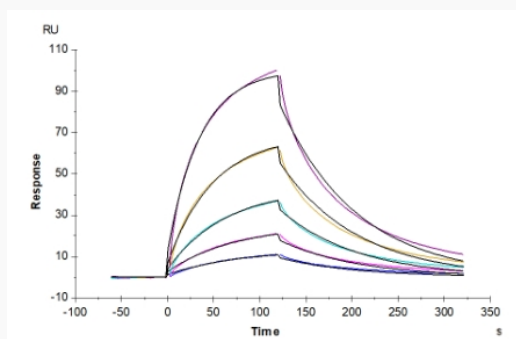
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### Tris-Bis PAGE



### SPR Data



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