

# Recombinant Human GYPA

**Cat. No.** GYPA-29030TH    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human Glycophorin A protein with an N terminal proprietary tag; predicted Mwt: 42.57 kDa.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>ProteinLength</b>	150 amino acids
<b>Description</b>	Glycophorins A (GYPA) and B (GYPB) are major sialoglycoproteins of the human erythrocyte membrane which bear the antigenic determinants for the MN and Ss blood groups. In addition to the M or N and S or s antigens that commonly occur in all populations, about 40 related variant phenotypes have been identified. These variants include all the variants of the Miltenberger complex and several isoforms of Sta, as well as Dantu, Sat, He, Mg, and deletion variants Ena, S-s-U- and Mk. Most of the variants are the result of gene recombinations between GYPA and GYPB.
<b>Molecular Weight</b>	42.570kDa inclusive of tags
<b>Form</b>	Liquid
<b>Purity</b>	Proprietary Purification
<b>Storage buffer</b>	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl

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<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
<b>Sequences of amino acids</b>	MYGKIIFVLL LSAIVSISAS STTGVMHTS TSSSVTKSYI SSQTNDTHKR DTYAATPRAHEVSEISVRTV YPPEEETGER VQLAHHFSEP EITLIIFGVM AGVIGTILLI SYGIRRLIKKSPSDVKPLPS PDTDVPLSSV EIENPETSQ
<b>Sequence Similarities</b>	Belongs to the glycoporphin A family.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	GYPA glycoporphin A (MNS blood group) [ Homo sapiens ]
<b>Official Symbol</b>	GYPA
<b>Synonyms</b>	GYPA; glycoporphin A (MNS blood group); glycoporphin A (includes MN blood group) , glycoporphin A (MN blood group) , MNS; glycoporphin-A; CD235a; GPA; MN;
<b>Gene ID</b>	2993
<b>mRNA Refseq</b>	NM_002099
<b>Protein Refseq</b>	NP_002090
<b>Uniprot ID</b>	P02724
<b>Chromosome Location</b>	4q31.21
<b>Pathway</b>	Hematopoietic cell lineage, organism-specific biosystem; Hematopoietic cell lineage, conserved biosystem; Malaria, organism-specific biosystem; Malaria, conserved

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biosystem;

**Function**

identical protein binding; molecular\_function; protein homodimerization activity;  
receptor activity;

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