

Recombinant Human GYPA

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

SPECIFICATION

Product Overview	Recombinant full length Human Glycophorin A protein with an N terminal proprietary tag; predicted Mwt: 42.57 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	150 amino acids
Description	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.
Molecular Weight	42.570kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MYGKIIFVLL LSAIVSISAS STTGVMHTS TSSSVTKSYI SSQTNDTHKR DTYAATPRAHEVSEISVRTV YPPEEETGER VQLAHHFSEP EITLIIFGVM AGVIGTILLI SYGIRRLIKKSPSDVKPLPS PDTDVPLSSV EIENPETSQ
Sequence Similarities	Belongs to the glycophorin A family.
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;
Gene ID	2993
mRNA Refseq	NM_002099
Protein Refseq	NP_002090
Uniprot ID	P02724
Chromosome Location	4q31.21
Pathway	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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