

Recombinant Human GYPB Protein (Met1-Ala59), C-Fc tagged

Cat. No. GYPB-3066H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human GYPB (Met1-Ala59) protein fused with the C-terminal Fc tag was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
ProteinLength	Met1-Ala59
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. GYPB gene consists of 5 exons and has 97% sequence homology with GYPA from the 5' UTR to the coding sequence encoding the first 45 amino acids. 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; also, 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. Alternate splicing results in multiple transcript variants.
Molecular Mass	7.49 kDa
Purity	>90 % as determined by SDS-PAGE.
Notes	For research use only.

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Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	In general, proteins are provided as lyophilized powder/frozen liquid. They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	GYPB glycophorin B (MNS blood group) [Homo sapiens (human)]
Official Symbol	GYPB
Synonyms	GYPB; glycophorin B (MNS blood group); glycophorin B (includes Ss blood group), glycophorin B (Ss blood group), MNS; glycophorin-B; CD235b; GPB; SS; Ss blood group; glycophorin MiX; glycophorin HeP2; glycophorin MiVI; glycophorin MiIII; sialoglycoprotein delta; SS-active sialoglycoprotein; MNS; PAS-3; GPB.NY; HGpMiX; GpMiIII; HGpMiVI; GYPHe.NY; HGpMiIII;
Gene ID	2994
mRNA Refseq	NM_002100
Protein Refseq	NP_002091
MIM	617923

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UniProt ID

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