

Recombinant Human GYPB Protein

Cat. No. GYPB-4509H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GYPB full-length ORF (NP_002091.2) recombinant protein without tag.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq]
Form	Liquid
Molecular Mass	9.8 kDa
AA Sequence	MYGKIIFVLLLSEIVSISALSTTEVAMHTSTSSSVTKSYISSQTNGETGQLVHRFTVPA PVVILIILCVMAGIIGTILLISYSIRRLIKA
Applications	Antibody Production Functional Study

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	Compound Screening
Usage	Heating may cause protein aggregation. Please do not heat this product before electrophoresis.
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	25 mM Tris-HCl of pH8.0 containing 2% glycerol.
GENE INFORMATION	
Gene Name	GYPB glycophorin B (MNS blood group) [Homo sapiens]
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
UniProt ID	P06028

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