

Recombinant Full Length Human GYPB Protein

Cat. No. GYPB-3376HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GYPB full-length ORF (NP_002091.2) recombinant protein without tag.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	720 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. 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

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Applications	Antibody Production Functional Study Compound Screening
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
MIM	617923
UniProt ID	P06028

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