



## Recombinant Protein Technical Manual

**Recombinant Human GYPA/CD235a/Glycophorin A Protein (His Tag)**  
RPES3294

### Product Data:

**Product SKU:** RPES3294

**Size:** 100µg

**Species:** Human

**Expression host:** HEK293 Cells

**Uniprot:** P02724

### Protein Information:

**Molecular Mass:** 9.4 kDa

**AP Molecular Mass:** 35-45 & 20 kDa

**Tag:** C-His

**Bio-activity:**

**Purity:** > 95 % as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg of the protein as determined by the LAL method.

**Storage:** Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation:** Lyophilized from sterile PBS, pH 7.4

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** CD235a;GPA;GPErik;GPSAT;HGpMiV;HGpMiXI;HGpSta(C);MN;MNS;PAS-2

## Immunogen Information:

**Sequence:** Met 1-Glu91

## Background:

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.