

Recombinant Human GYP A/CD235a/Glycophorin A Protein (His Tag)

Catalog No. PKSH030511

Note: Centrifuge before opening to ensure complete recovery of vial contents.

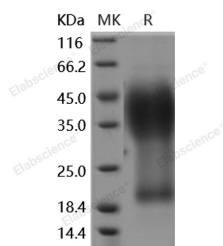
Description

Synonyms	CD235a;GPA;GP EriK;GPSAT;HGpMiV;HGpMiXI;HGpSta(C);MN;MNS;PAS-2
Species	Human
Expression Host	HEK293 Cells
Sequence	Met 1-Glu91
Accession	P02724
Calculated Molecular Weight	9.4 kDa
Observed molecular weight	35-45&20 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, 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 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Glycophorins A (GYP A) and B (GYP B) 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

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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.