

Synonym

GPA33,A33

Source

Cynomolgus GPA33, His Tag (GP3-C52H3) is expressed from human 293 cells (HEK293). It contains AA Ile 22 - Val 235 (Accession # [G7NU40-1](#)).

Predicted N-terminus: Ile 22

Molecular Characterization

GPA33(Ile 22 - Val 235)
G7NU40-1 Poly-his

This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 25.6 kDa. The protein migrates as 35-38 kDa and 40-45 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method.

Purity

>90% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 . Normally trehalose is added as protectant before lyophilization.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

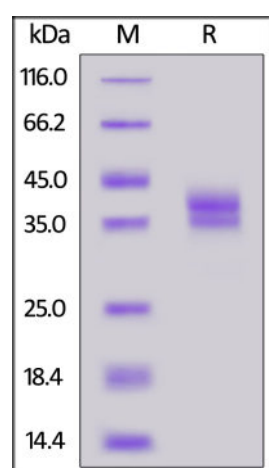
Storage

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

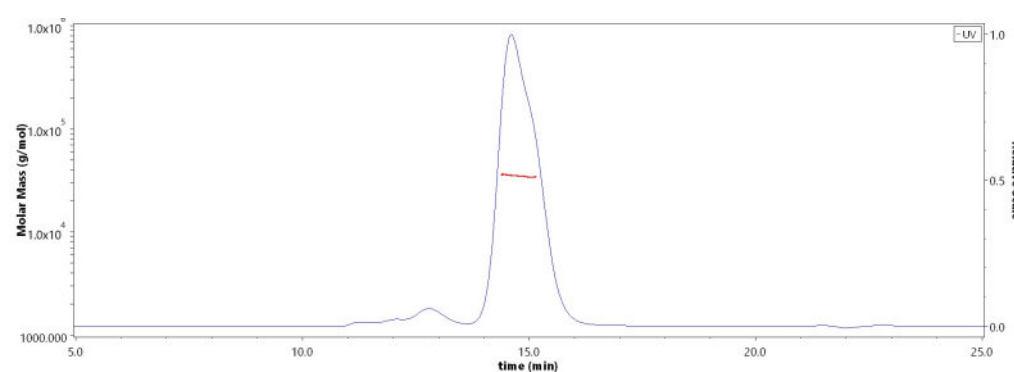
Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

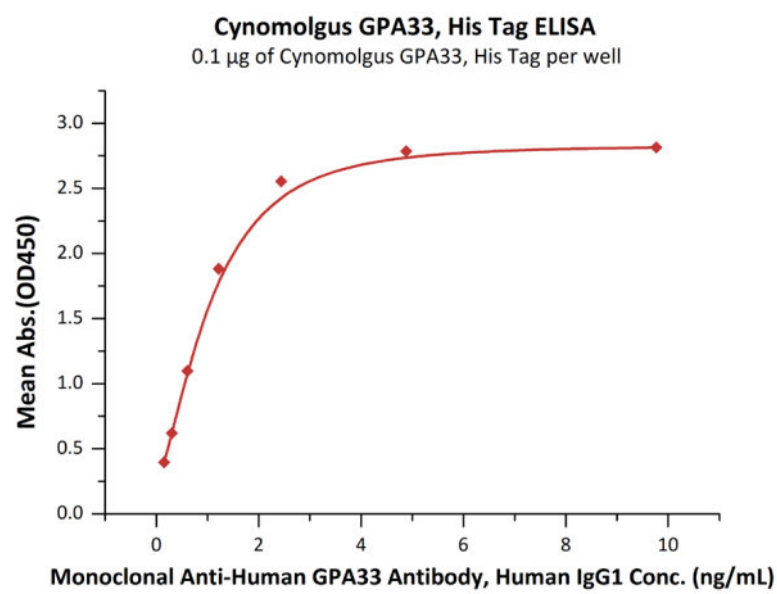
SDS-PAGE

Cynomolgus GPA33, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

Bioactivity-ELISA**SEC-MALS**

The purity of Cynomolgus GPA33, His Tag (Cat. No. GP3-C52H3) was more than 90% and the molecular weight of this protein is around 30-40 kDa verified by SEC-MALS.

[Report](#)



Immobilized Cynomolgus GPA33, His Tag (Cat. No. [GP3-C52H3](#)) at 1 µg/mL (100 µL/well) can bind Monoclonal Anti-Human GPA33 Antibody, Human IgG1 with a linear range of 0.2-2 ng/mL (QC tested).

Background

Glycoprotein A33 (GPA33) is also known as Cell surface A33 antigen, is a single-pass type I membrane protein which is expressed in normal gastrointestinal epithelium and in 95% of colon cancers. GPA33 The predicted mature protein has a 213-amino acid extracellular region, a single transmembrane domain, and a 62-amino acid intracellular tail. The sequence of the extracellular region contains 1 Ig-like C2-type (immunoglobulin-like) domain and 1 Ig-like V-type (immunoglobulin-like) domain characteristic of the CD2 subgroup of the immunoglobulin (Ig) superfamily, which contains. GPA33 may play a role in cell-cell recognition and signaling.

References

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.