

**Synonym**

Mamu-A\*01 &amp; B2M

**Source**

Biotinylated Rhesus macaque Mamu-A\*01&B2M Monomer Protein(MAM-R82E3) is expressed from human 293 cells (HEK293). It contains AA Gly 25 - Pro 307 (Mamu-A\*01) & Ile 21 - Met 119 (B2M) (Accession # [Q5TM76](#) (Mamu-A\*01) & [Q6V7J5](#) (B2M)).

Predicted N-terminus: Gly 25 &amp; Ile 21

**Molecular Characterization**

This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag™).

The protein has a calculated MW of 35.6 kDa and 11.6 kDa. The protein migrates as 40-43 kDa and 10 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

**Labeling**

*Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.*

**Protein Ratio**

Passed as determined by the HABA assay / binding ELISA.

**Purity**

&gt;95% as determined by SDS-PAGE.

&gt;95% as determined by SEC-MALS.

**Formulation**

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

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.*

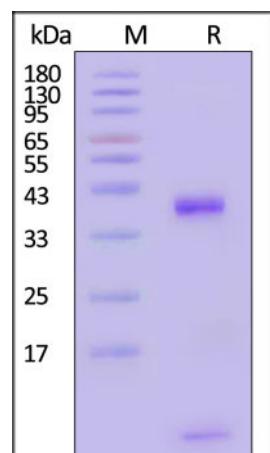
**Storage**

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

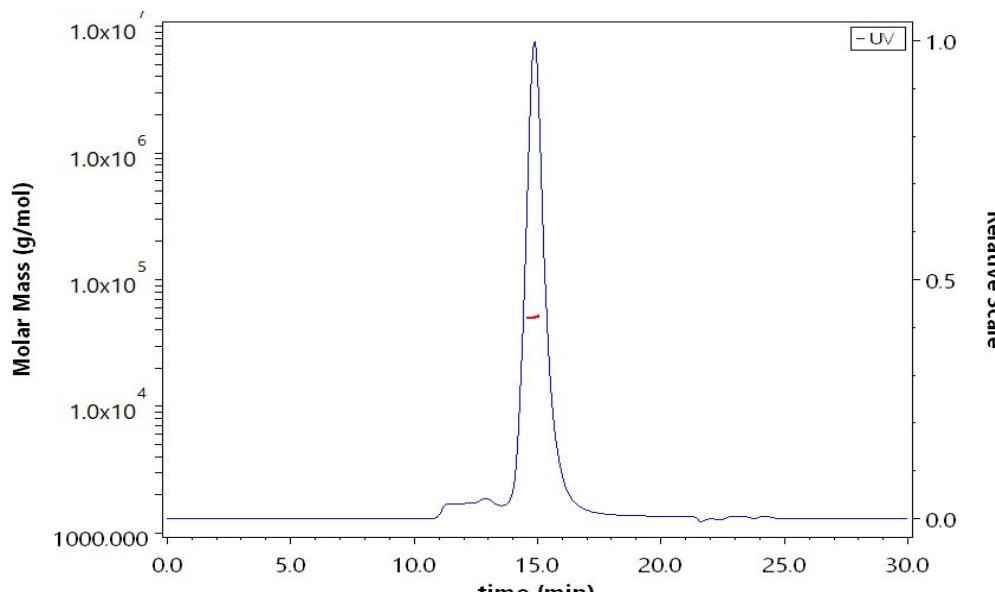
*Please avoid repeated freeze-thaw cycles.*

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**

Biotinylated Rhesus macaque Mamu-A\*01&B2M Monomer Protein on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95% (With [Star Ribbon Pre-stained Protein Marker](#)).

**SEC-MALS**

The purity of Biotinylated Rhesus macaque Mamu-A\*01&B2M Monomer Protein (Cat. No. MAM-R82E3) is more than 95% and the molecular weight of this protein is around 45-60 kDa verified by SEC-MALS. [Report](#)

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