

Biotinylated Cynomolgus Mafa-A1*063:01&B2M&RM9 (RPKVPLRTM) Complex Protein (Monomer, MALS verified)

Catalog # MA9-C82T6



BIOSYSTEMS
Acro

Source

Biotinylated Cynomolgus Mafa-A1*063:01&B2M&RM9 (RPKVPLRTM) Complex Protein(MA9-C82T6) is expressed from human 293 cells (HEK293). It contains AA Gly 25 - Pro 307 (Mafa-A1*063:01) & Ile 21 - Met 119 (B2M) & RPKVPLRTM peptide (Accession # [AAAY57215.2](#) (Mafa-A1*063:01) & [Q8SPW0](#) (B2M) & RPKVPLRTM).

Predicted N-terminus: Gly 25 & Arg

Molecular Characterization

Biotinylated Cynomolgus Mafa-A1*063:01&B2M&RM9 (RPKVPLRTM) Complex Protein is produced by co-expression of Mafa-A1 and B2M loaded with RM9 peptide.

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

The protein has a calculated MW of 35.8 kDa and 13.8 kDa. The protein migrates as 40-43 kDa and 12 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.

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 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

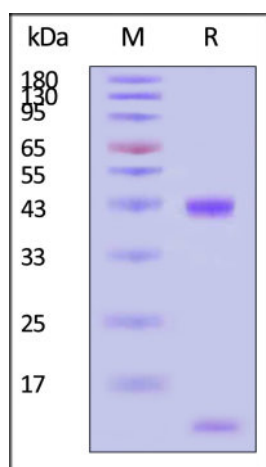
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

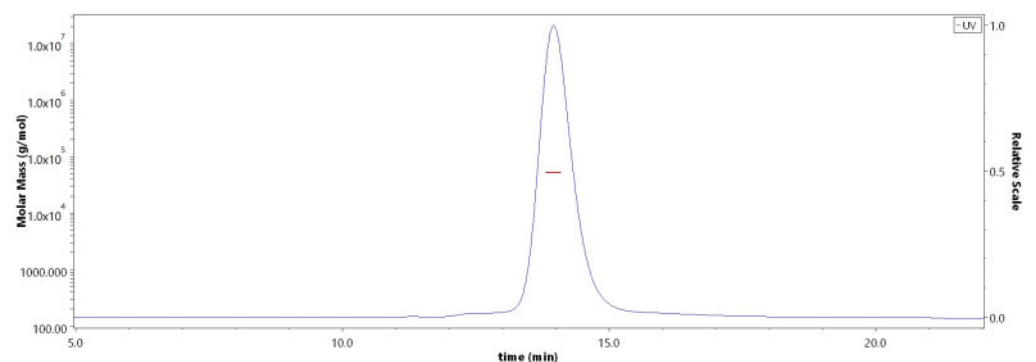
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Biotinylated Cynomolgus Mafa-A1*063:01&B2M&RM9 (RPKVPLRTM) Complex Protein on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

SEC-MALS



The purity of Biotinylated Cynomolgus Mafa-A1*063:01&B2M&RM9 (RPKVPLRTM) Complex Protein (Cat. No. MA9-C82T6) is more than 90% and the molecular weight of this protein is around 45-65 kDa verified by SEC-MALS.

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