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Recombinant Cynomolgus Beta-2-Microglobulin/B2M Protein

Catalog No.: RP02639 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Cynomolgus	712428	Q8SPW0

Tags
C-His

Synonyms
Beta-2-microglobulin□B2M

Product Information

Source
HEK293 cells

Purification
> 95% as determined by Tris-Bis PAGE□> 95% as determined by HPLC

Endotoxin
Less than 1EU per μg by the LAL method.

Formulation

Reconstitution
Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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Background

The genetic and functional analysis of β2-microglobulin (B2M), a component of the HLA class-I complex.Acquired homozygous loss of B2M that caused lack of cell-surface HLA Class I expression in the tumor and a matched patient-derived xenograft (PDX). Downregulation of B2M was also found in two additional PDXs established from ICI-resistant tumors.

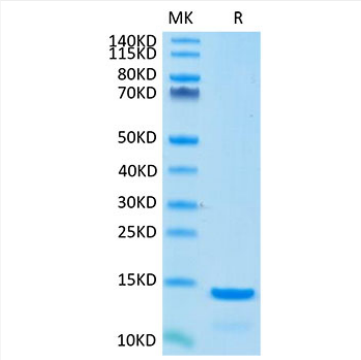
Basic Information

Description
Recombinant Cynomolgus Beta-2-Microglobulin/B2M Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Ile21-Met119) of Cynomolgus Beta-2-Microglobulin fused with His tag at the C-terminus.

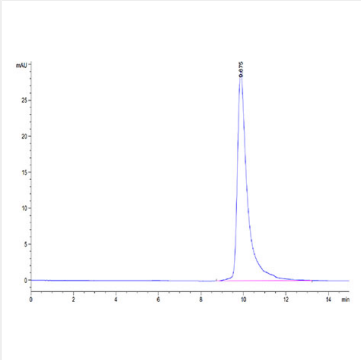
Bio-Activity

Storage
Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.
Avoid repeated freeze/thaw cycles.

Validation Data



Cynomolgus B2M on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Cynomolgus B2M is greater than 95% as determined by SEC-HPLC.