

# 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	Purification
HEK293 cells	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Calculated MW	Observed MW
12.7 kDa	13-15 kD

### 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 stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize freeze-thaw cycles.

## Contact

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## Background

The genetic and functional analysis of  $\beta$ 2-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

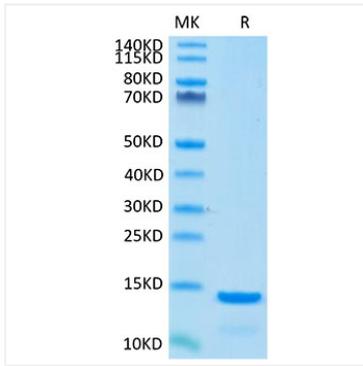
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

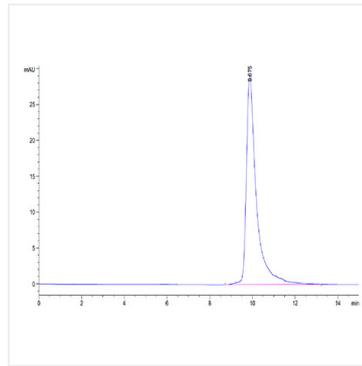
Avoid repeated freeze/thaw cycles.

## Validation Data

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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.