

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

< 1 EU/ μg of the protein by 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.

Contact

a		400-999-6126
\bowtie		cn.market@abclonal.com.cn
<u> </u>	Ī	www.abclonal.com.cn

Background

The genetic and functional analysis of β 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

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

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

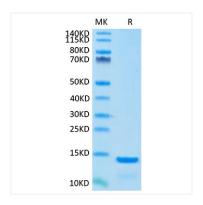
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

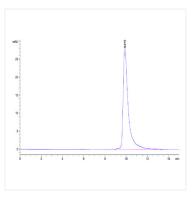
Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Validation Data



Recombinant Cynomolgus Beta-2-Microglobulin/B2M Protein was determined by Tris-Bis PAGE under reducing conditions.



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