

Recombinant Cynomolgus Beta-2-Microglobulin /B2M Protein

Catalog No.: RP02639

Sequence Information

Species	Gene ID
Cynomolgus	712428
Swiss Prot	Tags
Q8SPW0	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 stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

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

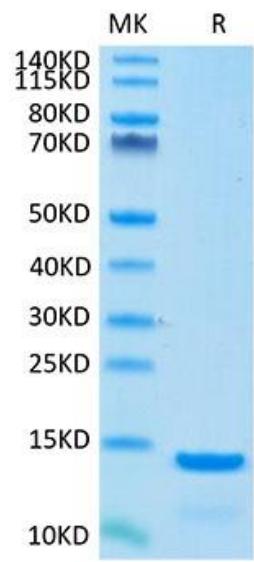
Contact

☎ | 400-999-6126

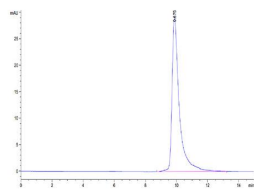
✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

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.