

Datasheet for ABIN7273887

beta-2 Microglobulin Protein (AA 21-119) (His tag)[Go to Product page](#)**2** Images

Overview

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|-------------------------------|---|
| Quantity: | 100 µg |
| Target: | beta-2 Microglobulin (B2M) |
| Protein Characteristics: | AA 21-119 |
| Origin: | Rhesus Monkey, Cynomolgus |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This beta-2 Microglobulin protein is labelled with His tag. |

Product Details

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| Purpose: | Cynomolgus/Rhesus macaque B2M/beta 2-Microglobulin Protein |
| Sequence: | Ile21-Met119 |
| Characteristics: | Recombinant Cynomolgus/Rhesus macaque B2M/beta 2-Microglobulin Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ile21-Met119. |
| Purity: | > 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC |
| Sterility: | 0.22 µm filtered |
| Endotoxin Level: | Less than 1EU per µg by the LAL method. |

Target Details

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| Target: | beta-2 Microglobulin (B2M) |
| Alternative Name: | B2M (B2M Products) |

Target Details

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| 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. |
| Molecular Weight: | 12.7 kDa. Due to glycosylation, the protein migrates to 13-15 kDa based on Tris-Bis PAGE result. |
| UniProt: | Q8SPW0 |
| Pathways: | TCR Signaling , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process |

Application Details

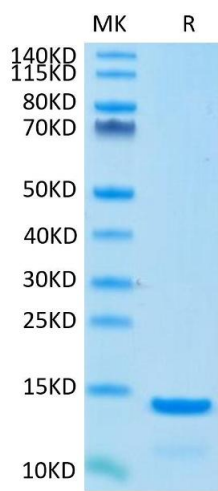
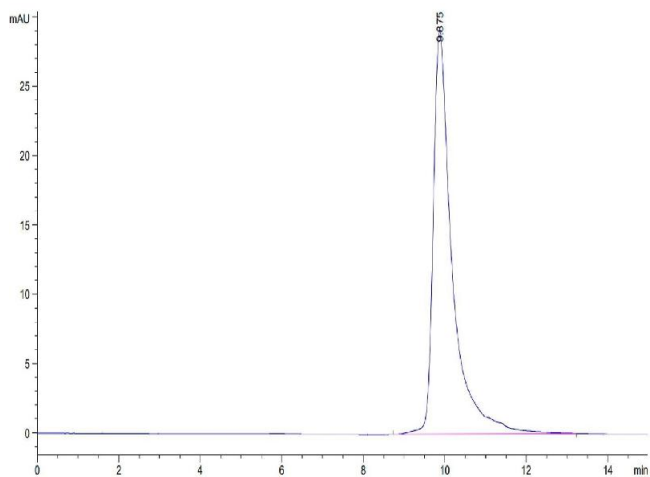
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| Restrictions: | For Research Use only |
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Handling

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| Format: | Lyophilized |
| Reconstitution: | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in distilled water. |
| Buffer: | Lyophilized from 0.22 μ m filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization. |
| Storage: | -20 $^{\circ}$ C, -80 $^{\circ}$ C |
| Storage Comment: | -20 to -80 $^{\circ}$ C for 12 months as supplied from date of receipt., -80 $^{\circ}$ C for 3-6 months after reconstitution., 2-8 $^{\circ}$ C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |
| Expiry Date: | 12 months |

Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 1. The purity of Cynomolgus B2M is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 2. Cynomolgus B2M on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .