

Rev03
 Update: Aug,08,2025

DATASHEET

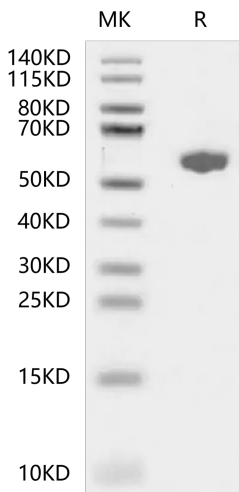
H-2K(b)&B2M&OVA (SIINFEKL) Monomer, His & Avi, Mouse

Cat. No.: Z06657

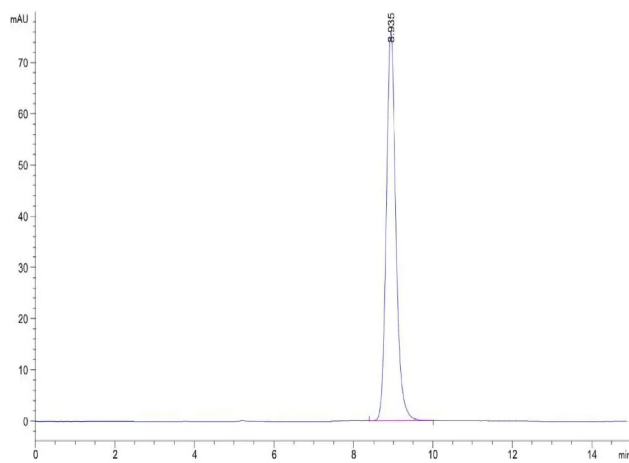
Product Introduction

Species	Mouse
Protein Construction	<div style="display: flex; align-items: center; justify-content: space-between;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;"> H-2K(b)&B2M&OVA (SIINFEKL) Monomer [His24-Pro297 (H-2K(b)), Ile21-Met119(B2M) and SIINFEKL peptide] Accession # P01901(H-2K(b))&P01887(B2M)&SIINFEKL </div> <div style="background-color: #90c090; padding: 5px; text-align: center;">His</div> <div style="background-color: #508050; color: white; padding: 5px; text-align: center;">Avi</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> N-term C-term </div>
Purity	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per µg by the LAL method.
Expression System	HEK293
Theoretical Molecular Weight	50.20 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 52-70 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage & Stability	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

Examples



H-2K(b)&B2M&OVA (SIINFEKL) Monomer, His & Avi, Mouse on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.



The purity of H-2K(b)&B2M&OVA (SIINFEKL) Monomer, His & Avi, Mouse is greater than 95% as determined by SEC-HPLC.

Background

Target Background : Ovalbumin (OVA) has been historically a popular source of such antigens, since OVA can induce both humoral and cellular immune responses based on well-characterised peptide epitopes. The OVA257-264 octapeptide was one of the first OVA epitopes to be characterised, it has an amino acid sequence SIINFEKL, which is recognised by cytotoxic T lymphocytes. SIINFEKL forms fibrillar assemblies similar to other peptide hydrogels. The immunoactive properties of this peptide can therefore be related to its self-assembling nature.

Synonyms : H-2K; OVA; MHC; H2-K1;

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

Manufacturer: Nanjing GenScript Biotech Co., Ltd. No. 28Yongxi Road, Jiangning District, Nanjing, Jiangsu, China