

# Hepatitis B Virus (HBV) (ayw/France/Tiollais/1979) Capsid Protein

Cat. No. HBV-VE101

## Description

<b>Source</b>	Recombinant HBV (ayw/France/Tiollais/1979) Capsid Protein is expressed from E.coli with His tag at the C-terminus. It contains Met1-Val149.
<b>Accession</b>	P03146-1
<b>Molecular Weight</b>	The protein has a predicted MW of 17.81 kDa same as Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

## Formulation and Storage

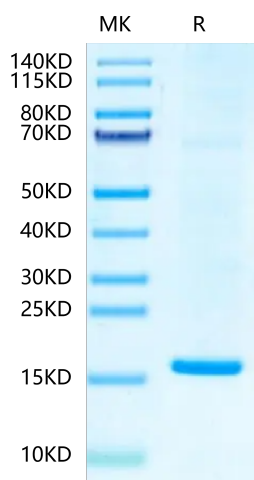
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

Hepatitis B virus (HBV) core protein, the building block of the HBV capsid, plays multiple roles in viral replication, and is an attractive target for development of antiviral agents with a new mechanism of action.

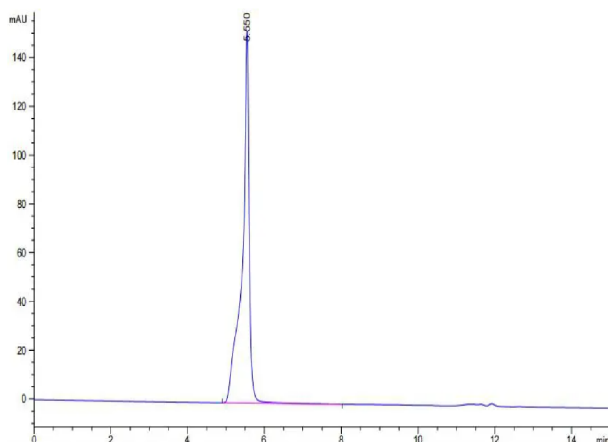
## Assay Data

### Tris-Bis PAGE



HBV (ayw/France/Tiollais/1979) Capsid on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC



The purity of HBV (ayw/France/Tiollais/1979) Capsid is greater than 95% as determined by SEC-HPLC.