

Recombinant HBsAg-preS1 Protein

Product Information

Product Name	Cat#	Size
	92551ES10	10µg
Recombinant HBsAg-preS1 Protein	92551ES60	100 µg
	92551ES76	500 µg

Product Description

Hepatitis B virus (HBV) is a human pathogen, causing serious liver disease. The HBV surface protein antigens (HBsAg) are comprised of three carboxyl co terminal HBs proteins termed large (LHBs), middle (MHBs) and small (SHBs, also called major) protein. LHBs and MHBs also share the highly hydrophobic, repetitive, membrane spanning S domain. In addition, LHBs has a 119 amino acid region called preS1.

Product Properties

Synonyms	HBV Surface Antigen-preS1 ; L glycoprotein, L-HBsAg, Large S protein, Large surface protein, Major surface antigen.
Source	E.coli-derived HBsAg-preS1
Molecular Weight	Approximately 12.6 kDa, a single non-glycosylated polypeptide chain containing 119 amino acids, with an N-terminal Met
AA Sequence	MGGWSSKPRQ GMGTNLSVPN PLGFFPDHQL DPAFGANSNN PDWDFNPNKD HWPEAHQVGA GAFGPGFTPP HGGLLGWSPQ AQGILTTVPV APPASTNRQ SGRQPTPISP PLRDSHPQA
Tag	None
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Purity	> 97% by SDS-PAGE and HPLC analyses.
Endotoxin	< 1.0 EU per 1µg of the protein by the LAL method.
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, pH 7.4, 50 mM NaCl.
Applications	1. Immunochromatography (capture and conjugate); 2. Preparing monoclonal or polyclonal antibodies for HBsAg-preS1; 3. ELISA.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

Shipping and Storage

The products are shipped with ice pack and can be stored at -20°C for 1 year.

1 month, 2 to 8 °C under sterile conditions after reconstitution.

3 months, -20 °C under sterile conditions after reconstitution.

Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

Cautions

1. For your safety and health, please wear lab coats and disposable gloves for operation.
2. For research use only.