

---

## Product Data Sheet

---

Product Name: HBsAg preS2

Cat. No.: GP25350

Batch No.: 1

**Product Data**

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Amino Acid Sequence	MQWNSTTFHQALLDPKVRGLYFPAGGSSSGTVNPVPTTASP ISSIFSRTGDPAPN.		

**Solubility** 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.

**Formulation** HBsAg protein was lyophilized from 0.2µm filtered (1mg/ml) solution in 20mM PB, pH 7.4 and 50mM NaCl.

**Introduction**

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, MHBs has a 55 amino acid region called preS2.

**Stability**

This lyophilized preparation is stable at 2-8°C , but should be kept at -20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8°C . For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -70°C .Avoid repeated freeze/thaw cycles.

**Background**

The Recombinant Hepatitis B Surface Antigen preS2 is approximately 5.7 kDa, a single non-glycosylated polypeptide chain containing 55 amino acids. Purified by proprietary

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

---

## Product Data Sheet

---

chromatographic technique.

**Caution: Product has not been fully validated for medical applications. For research use only.**

**Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com**

**Address: 10292 Central Ave. #205, Montclair, CA, USA**