

ChemWhat Technical Data Sheet (TDS)

Catalog Number:	672-02
Source:	<i>Escherichia coli</i> .
Molecular Weight:	Approximately 5.7 kDa, a single non-glycosylated polypeptide chain containing 55 amino acids.
Quantity:	10µg/50µg/1000µg
AA Sequence:	MQWNSTTFHQ ALLDPKVRGL YFPAGGSSSG TVNPVPTTAS PISSIFSRTG DPAPN
Purity:	>95% by SDS-PAGE and HPLC analyses.
Applications:	<ol style="list-style-type: none">1. Immunochromatography (capture and conjugate);2. Preparing monoclonal or polyclonal antibodies for HBsAg-preS2;3. ELISA.
Physical Appearance:	Sterile Filtered White lyophilized (freeze-dried) powder.
Formulation:	Lyophilized from a 0.2µm filtered concentrated solution in 20mM PB, pH 7.4, 50mM NaCl.
Endotoxin:	Less than 1 EU/µg of rHBsAg-preS2 as determined by LAL method.
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:	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage:	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none">● Refer to lot specific COA for the Use by Date when stored at ≤ -20 °C as supplied.● 1 month, 2 to 8 °C under sterile conditions after reconstitution.● 3 months, -20 to -70 °C under sterile conditions after reconstitution.
Usage:	ChemWhat Limited in UK offers this branded product for research, development or further evaluation purposes. NOT FOR HUMAN USE.

Hepatitis B Surface Antigen preS2

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.