

Hepatitis B Surface Antigen, preS1 Recombinant

Item Number	rAP-5202
Synonyms	
Description	The E.Coli derived Recombinant Hepatitis B Surface Antigen preS1 is a single non-glycosylated polypeptide chain containing 119 amino acids and having a molecular weight of 12.6 kDa.
Uniprot Accession Number	
Amino Acid Sequence	MGGWSSKPRQGMGTNLSVPNPLGFFPDHQLDPAFGANSNNPDWDFNPKNKDHWP EAHQVGA-GAFGPGFTPPHG LLLGWSPQAQGILTTVPVAPPPASTNRQSGRQPTPIS PPLRDSHPQA.
Source	Escherichia Coli.
Physical Appearance and Stability	This lyophilized HBsAg 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.
Formulation and Purity	HBsAg protein was lyophilized from 0.2µm filtered (1mg/ml) solution in 20mM PB, pH 7.4, and 50mM NaCl. HBsAg Protein is >95% pure as determined by 10% PAGE (coomassie staining).
Application	
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 apportion
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**