

HBsAg recombinant protein

HBsAg protein (Subtype ayw)

CATALOG #
AAA75230

HOST
Viral

PRODUCT SYNONYMS

HBsAg; HBsAg protein (Subtype ayw); Hepatitis B surface Ag protein; Hepatitis B Surface Ag Subtype ayw protein; Hepatitis B Surface Antigen protein; HBsAg recombinant protein

PRODUCT SPECIFICATIONS

Host	Viral
Purity/Purification	> 98% by SDS-Page
Form/Format	Supplied as a liquid 50mM Phosphate buffer, 20mM NaCl, pH 7.2.
Concentration	2.57 mg/ml (Lowry Method) (varies by lot)
Sequence Length	57
Source	Saccharomyces cerevisiae containing plasmic pCGA7
Protein Type	Recombinant
Biological Significance	Hepatitis B virus is an hepadnavirus and it has a circular genome composed of partially double-stranded DNA. The viruses replicate through an RNA intermediate form by reverse transcription, and in this respect they are similar to retroviruses. The hepatitis B surface antigen (HBsAg) is most frequently used to screen for the presence of this infection. It is the first detectable viral antigen to appear during infection.
Grade	Highly Pure
Expression System	Yeast
Biohazard	Use standard laboratory precautions when handling this material.
Preparation and Storage	4 degree C. Avoid repeated Freeze/Thaw cycles

ADDITIONAL INFORMATION

Related Product Information for HBsAg recombinant protein	Purified recombinant HBsAg protein (Subtype ayw)
Product Categories/Family for HBsAg recombinant protein	Infectious Disease
References	Hepatitis B vaccine-specific CD4+ T cells can be detected and characterised at the single cell level: Limited usefulness of dendritic cells as signal enhancers; Nicolle H.R. Litjensa, Martin Huismana, Carla C. Baanb, Corn© J. van Druningena, Michiel G.H. Betjes (Journal of Immunological Methods: Volume: 330 Issue: 1-2 Page: 1-11 DOI: 10.1016/j.jim.2007.10.013) Impaired generation of hepatitis B virus-specific memory B cells in HIV infected individuals following vaccination; Nishaki Mehtaa, Coleen K. Cunninghamb, Patricia Flynnc, Joyce Pepea, Stephen Obarod, Bill G. Kapogiannise, James Bethelf, Katherine Luzuriagaa (Vaccine: Volume: 28 Issue: 21 Page: 3672-3678 DOI: 10.1016/j.vaccine.2010.03.022)

NCBI AND UNIPROT INFORMATION

NCBI GI #	114054630
Molecular Weight	6,135 Da
NCBI Official Full Name	HBsAg, partial
UniProt Protein Name	HBsAg
UniProt Gene Name	HBsAg
UniProt Entry Name	Q09LT5_HBV

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/hbsag-recombinant-protein-viral/75230>