

Recombinant HBcAg protein, Tag free

Catalog Number: bs-2000P

Concentration: >0.5mg/ml

AA Seq: 1-185/185

Predicted MW: 20

Detected MW: 23 kDa

Tags: Tag free

Activity: Not tested

Endotoxin: Not analyzed

Purity: > 95% as determined by SDS- PAGE

Purification: AC

Form: Lyophilized or Liquid

Storage: Lyophilized from sterile 50mM Na₂SO₄, 0.5mM DTT, 1mM EDTA, 20mM Tris (pH7.5).

Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.

Background: Hepatitis B Virus Core Antigen (HBcAg) is part of the infectious virion containing an inner "core particle" enclosing the viral genome. The icosahedral core particle contains 180 or 240 copies of the core protein. HBcAg is one of the three major clinical antigens of hepatitis B virus but disappears early in the course of infection.

The hepatitis B virus core antigen (HBcAg) is a highly immunogenic subviral particle and functions as both a T-cell-dependent and a T-cell-independent antigen. Therefore, HBcAg may be a promising candidate target for therapeutic vaccine control of chronic HBV infection.

VALIDATION IMAGES



The purity of the protein is greater than 90% as determined by reducing SDS-PAGE.