

## Product datasheet for **BIN077**

### Hepatitis B Core Antigen / HBcAg (ayw, 1-183) Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Hepatitis B Core Antigen / HBcAg (ayw, 1-183) recombinant protein, 0.5 mg
<b>Expression Host:</b>	E. coli
<b>Predicted MW:</b>	18 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	95% by SDS-PAGE
<b>Buffer:</b>	Presentation State: Purified State: Liquid purified Buffer System: 7.5 mM Phosphate buffer, 75 mM Sodium Chloride, pH 7.2 containing 50% Glycerol without preservatives.
<b>Preparation:</b>	Liquid purified
<b>Protein Description:</b>	Hepatitis B Core Antigen (HbcAg) (recombinant) a.a. 1 to a.a. 183 of HBV core antigen, 18 kDa (ayw). Cloned from HBV 320 genome. Reacts strongly to human HBV positive serum. Under non-reducing conditions, forms native core particles. Does not contain fusion partner.
<b>Storage:</b>	Store the antigen at 2-8°C for one month or (in aliquots) at -80°C for longer. Avoid multiple freeze/thaw cycles.
<b>Stability:</b>	Shelf life: six months from despatch.
<b>Summary:</b>	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.



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