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Product datasheet for BIN048

Hepatitis B Core Antigen / HBcAg (180 aa) Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Hepatitis B Core Antigen / HBcAg (180 aa) recombinant protein, 0.1 mg
Expression Host:	E. coli
Concentration:	lot specific
Purity:	Repetitive chromatography.
Buffer:	Presentation State: Purified State: Liquid purified fraction (>95% pure by SDS-PAGE) Buffer System: 50 mM Tris, 1 mM EDTA, 150 mM NaCl, pH 7.5 without preservatives.
Preparation:	Liquid purified fraction (>95% pure by SDS-PAGE)
Applications:	ELISA and Western blot.
Protein Description:	Hepatitis B Core Antigen (Recombinant). Full length core protein, 184 amino acids. Does not contain fusion partner. 19 kDa under reducing conditions. Under non-reducing conditions, forms particles ~2500 kDa.
Note:	Caution: In accordance with good laboratory practices, all materials should be handled as if potentially infectious.
Storage:	Store the antigen at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid multiple freeze/thaw cycles.
Stability:	Shelf life: six months from despatch.
Synonyms:	HBV Capsid protein, HBV Core protein, p21.5
Summary:	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.
Protein Families:	ELISA and Western blot.

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