

## Product datasheet for **BIN024**

### Hepatitis B Core Antigen / HBcAg Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Hepatitis B Core Antigen / HBcAg human recombinant protein, 1 mg
Species:	Human
Expression Host:	<i>Pichia pastoris</i>
Concentration:	lot specific
Purity:	>95% pure by SDS-PAGE (compares with reference lot).
Buffer:	Presentation State: Azide Free State: Liquid purified fraction Buffer System: 0.02M Potassium Phosphate, pH 6.5 +/- 0.3 without preservatives.
Preparation:	Liquid purified fraction
Applications:	ELISA and Western blot.
Protein Description:	Recombinant Hepatitis B Virus Core Antigen. Full length Hepatitis B core protein, 183 amino acids. Does not contain a fusion partner. Major immunospecific band migrating between 20-25 kDa (approximately 19kDa) and produced in <i>Pichia pastoris</i> .
Note:	Internal Thread Vial. Centrifuge Product Before Opening!!  Caution: All materials should be handled as if potentially infectious. Generally accepted laboratory practices appropriate for infectious materials should be employed when handling this product.
Storage:	Aliquot and store at < -65°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Locus ID:	109864281
Cytogenetics:	21p11.2
Synonyms:	RNA5-8N2



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**Summary:**

45S ribosomal DNA (rDNA) arrays, or clusters, are present on human chromosomes 13, 14, 15, 21 and 22, designated RNR1 through RNR5, respectively. Each cluster consists of multiple 45S rDNA repeat units that vary in number among individuals and chromosomes, with total diploid copy number estimates ranging from 60 to >800 repeat units in a human genome. The 45S rDNA repeat unit encodes a 45S rRNA precursor, transcribed by RNA polymerase I, which is processed to form the 18S, 5.8S and 28S rRNAs. This gene represents a copy of the 5.8S ribosomal RNA on chromosome 21. [provided by RefSeq, Mar 2017]

**Product images:**

