

Hepatitis B Virus Core Recombinant Protein | HBcAg recombinant protein

Recombinant Hepatitis B Virus Core (1-186)

CATALOG #
AAA38299

PRODUCT SYNONYMS

Hepatitis B Virus Core; Recombinant Hepatitis B Virus Core (1-186); HBV core (1-186 a.a.); Hepatitis B Virus Core (1-186 a.a.) Recombinant; HBcAg recombinant protein

PRODUCT SPECIFICATIONS

Specificity	Immunoreactive with sera HBV-infected individuals.
Purity/Purification	HBV Core protein is >90% pure as determined by 10% PAGE (Coomassie staining). HBV Core protein was purified by proprietary chromatographic technique.
Form/Format	25mM Tris-HCl pH-8.0, 1.5mM Urea & 50% glycerol.
Sequence Length	183

ADDITIONAL INFORMATION

Related Product Information for HBcAg recombinant protein	Description: The E Coli derived recombinant protein contains the HBV core immunodominant region amino acids 1-186, and fused to a His tag at N- terminus. Introduction: Hepatitis B is one of a few known non-retroviralviruses which employ reverse transcriptionas a part of its replication process. (HIV, a completely unrelated virus, also uses reverse transcription, but it is a retrovirus.) HBV invades the cell by binding to surface receptor and become internalized. The viral core particles then migrate to the hepatocyte nucleus and the partially double-stranded, relaxed circular genomes (RC-DNA) are repaired to form a covalently closed circular DNA (cccDNA), which is the template for viral genomic and sub-genomic RNAs by cellular RNA polymerase II. Of these, the pregenomic RNA(pgRNA is selectively packaged into progeny capsids and is then reverse-transcribed into new RC-DNA. The core can either bud into the endoplasmic reticulum to be enveloped or exported from the cell or recycled back into the genome for conversion to cccDNA.
Product Categories/Family for HBcAg recombinant protein	Viral Antigens; HEPATITIS B VIRUS; Viral Antigens; Hepatitis B

NCBI AND UNIPROT INFORMATION

NCBI GI #	93004257
Molecular Weight	21,033 Da
NCBI Official Full Name	HBcAg
UniProt Protein Name	HBcAg
UniProt Entry Name	Q00K45_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.