

Hepatitis B Virus Core Recombinant Protein | HBcAg recombinant protein

Recombinant Hepatitis B Virus Core (1-183)

CATALOG #
AAA38300

PRODUCT SYNONYMS

Hepatitis B Virus Core; Recombinant Hepatitis B Virus Core (1-183); HBV core (1-183 a.a.); Hepatitis B Virus Core (1-183 a.a.) Recombinant; HBcAg recombinant protein

PRODUCT SPECIFICATIONS

Specificity	Immunoreactive with sera HBV-infected individuals.
Purity/Purification	HBV Core protein is >95% pure as determined by SDS-PAGE. HBV Core protein was purified by proprietary chromatographic technique.
Form/Format	(1mg/ml)7.5mM phosphate buffer pH-7.2, 75mM NaCl and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence	MDIDPYKEFG ASVELLSFLP SDFFPSIRD LDTASALYRE ALESPEHCSP HHTALRQAIL CWGELMNLAT WVGSNLEDPA SRELVSYSVN VNMGLKFRQL LWFHVSCLTF GRETVLEYLV SFGVWIRTPP AYRPPNAPIL STLPETTVVR RRGSRPRRRT PPSRRRRSQS PRRRRSQSRE SQC
Sequence Length	183
Preparation and Storage	HBV Core protein although stable at 4 degree C for 1 week, should be stored below -18 degree C. Please prevent freeze thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for HBcAg recombinant protein	Description: The E Coli derived 18 kDa recombinant protein contains the HBV core ayw immunodominant region, amino acids 1-183. 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.

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Online datasheet: <https://stage.aaabiotech.com/hepatitis-b-virus-core-recombinant-protein/38300>