

Recombinant Hepatitis B Virus C protein, His-tagged

Cat. No. C -76H Lot. No. (See product label)

SPECIFICATION

Product Overview	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.
Species	HBV
Source	E.coli
ProteinLength	amino acids 1-186
Description	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.
Form	25mM Tris-HCl pH-8.0, 1.5 mM EDTA, 1.5mM Urea & 50% glycerol.
Purity	HBV Core protein is >90% pure as determined by 10% PAGE (Coomassie staining).

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Usage	The products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.
Specificity	Immunoreactive with sera HBV-infected individuals.
Storage	HBV Core protein although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.
Shipping	Ice Packs

GENE INFORMATION

Gene Name	C precore; HBe antigen; PreC; HBeAg; precore protein; external core antigen; HBeAg; p25 [Hepatitis B virus]
Official Symbol	C
Synonyms	C; precore; HBe antigen; PreC; HBeAg; precore protein; external core antigen; HBeAg; p25; pre-capsid protein; C0 uORF; capsid protein
Gene ID	944568
Protein Refseq	YP_009173857.1
UniProt ID	P03146

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