

## Recombinant Hepatitis B Virus C protein, His-tagged

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

### SPECIFICATION

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

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<b>Usage</b>	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.
<b>Specificity</b>	Immunoreactive with sera HBV-infected individuals.
<b>Storage</b>	HBV Core protein although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.
<b>Shipping</b>	Ice Packs

## GENE INFORMATION

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

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