

Recombinant Hepatitis B Virus C protein, GST-tagged

Cat. No. C -78H Lot. No. (See product label)

SPECIFICATION

Product Overview The E.Coli derived recombinant protein contains the HBV HBe adw immunodominant region is fused to a GST tag and the Mw is 43,897.6kDa.

Species HBV

Source E.coli

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 (1mg/ml) 50mM Tris-HCl pH 8.5, 5mM DTT, 10mM BMe and 8M Urea.

Molecular Mass 43.8976kDa

Purity HBV HBe protein is >95% pure as determined by 10% PAGE (coomassie staining).

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| 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 HBe 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

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|------------------------|---|
| 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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