

## 32-5504: Recombinant HepatitisB Virus HBe

### Description

Source : The E.Coli derived recombinant protein contains the HBV HBe adw immunodominant region is fused to a GST tag and the Mw is 43,897.6 Dalton. 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 Info

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|----------------------------|---|
| <b>Amount :</b>            | 0.5 mg  |
| <b>Purification :</b>      | HBV HBe protein is >95% pure as determined by 10% PAGE (coomassie staining).  |
| <b>Content :</b>           | (1mg/ml) 50mM Tris-HCl pH 8.5, 5mM DTT, 10mM BMe and 8M Urea.   |
| <b>Storage condition :</b> | HBV HBe protein although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles. |

