

## Recombinant HBV-Core Protein

**Cat. No.** Core-741H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | The E.coli derived 14 kDa recombinant protein contains the HBV core delta ayw immunodominant region amino acids 1-144. HBV core delta proteins are purified by proprietary chromatographic techniques.                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | HBV                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | 1-144 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>      | Hepatitis B Virus (HBV) is a small enveloped virus that belongs to the hepadnavirus family. The human Hepatitis B Virus (HBV) has a compact genome encoding four major overlapping coding regions: the core, polymerase, surface and X. The core protein is a structural protein. It packages its own mRNA, which is also known as the pregenomic RNA, to form the core particle. The increase of the core RNA expression has been shown to increase the viral replication rate. |
| <b>Form</b>             | 7.5 mM Phosphate buffer pH 7.2, 75 mM NaCl and 50 % glycerol                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Purity</b>           | > 95 % (SDS-PAGE, RP-HPLC)                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Applications</b>     | Immunochromatography (capture; conjugate); Immunogen for monoclonal antibody production;ELISA                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Storage</b>          | Store at -20 centigrade, avoid freeze/thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                               |

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## GENE INFORMATION

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|-----------------|--------------|
| Official Symbol | Core Protein |
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| Synonyms | Core Protein |
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