

## PRODUCT DATA SHEET

### Hepatitis B Virus Protein X Hepatitis B virus E. coli

**Cat. No.:** RD972038100-B

**Size:** 0.1 mg

**Source:** E. coli

**Type:** Recombinant protein

**Species:** Hepatitis B virus

**Other Names:**

HBx

**Description:**

Total 165 AA. MW: 17.8 kDa (calculated). UniProtKB acc.no. P12936 (Ala2-Ala154). N-terminal His-tag (12 extra AA). Protein identity confirmed by MS.

**Amino Acid Sequence:**

MRGSHHHHHH GSAARVCCQL DPARDVLCLR PVGAESRGRP VSGPFGTLPS PSSSAVPADH  
GAHLSLRGLP VCAFSSAGPC ALRFTSARRM ETTVNAHQVL PKVLHKRTLG LSAMSTTDLE  
AYFKDCLFKD WEELGEEIRL KVFVLGGCRH KLV CSPAPCN FFTSA

**Purity:**

> 90 % by SDS-PAGE

**Endotoxin:**

< 1.0 EU/μg

**Formulation:**

Filtered (0.4 μm) and lyophilized from 0.5 mg/ml solution in 50 mM acetate buffer, pH=4.0 + 5% (w/v) trehalose

**Reconstitution:**

Add 0.1 M acetate buffer pH 4.0 to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely.

**Shipping:**

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

**Storage/Stability:**

Store lyophilized protein at -80°C. Lyophilized protein remains stable until the expiry date when stored at -80°C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80°C for long term storage. Reconstituted protein can be stored at 4°C for a week.

**Quality Control:**

BCA to determine quantity of the protein.  
SDS PAGE to determine purity of the protein.  
Endotoxin level determination.

**Applications:**

ELISA, Western blotting

**Note:**

This product is intended for research use only.