

HBV X Recombinant Protein | HBV recombinant protein

Recombinant Hepatitis B Virus X Protein

CATALOG # AAA62213	HOST E Coli	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

HBV X; Recombinant Hepatitis B Virus X Protein; Hepatitis B Virus X Protein; HBV recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% pure by 10% SDS-PAGE gel.
Concentration	50 ug (1 mg/ml), sterile filtered in PBS with 8M urea. (varies by lot)
Applicable Applications for HBV recombinant protein	ELISA, WB (Western Blot)
Preparation and Storage	Store at 4°C but should be kept at -20°C for long term storage. Non-hazardous.

ADDITIONAL INFORMATION

Related Product Information for HBV recombinant protein	C-terminal 6x his tagged HBV X protein (aa 1-154) (Genebank Accession#: AAK81692). Hepatitis B virus X protein (HBx) is a 17 kD transcriptional coactivator that plays a significant role in the regulation of genes involved in inflammation and cell survival. It regulates many transcription factors including nuclear factor kappa B (NF-kappaB) and plays a key role in hepatocarcinogenesis. rHBx facilitates the binding of cAMP response element binding protein (CREB) to its responsive element. rHBx stabilizes the cellular coactivator ASC-2 through direct protein-protein interaction, affecting the regulation of genes actively transcribed in liver cancer cells. HBx transactivates both JNK and MAPK signal transduction pathways in association with the mobilization of cytosolic Ca²⁺. The communication between HBx and general transcription factor TFIIB is also one of the mechanisms which account for its transcriptional transactivation. HBx decreased the expression of PTEN a known tumor suppressor and a negative regulator of phosphatidylinositol 3'-kinase/AKT and HBx decreased the expression of PTEN in HBx-transfected cells. The etiology of hepatocellular carcinoma (HCC) is involved with hepatitis B virus (HBV) infection and HBx in particular plays a role in the development of HBV-related HCC. The persistence of HBx is important to the pathogenesis of early HCC and HBx expression in the liver during chronic HBV infection may be an important prognostic marker for the development of HCC.
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/hbv-x-recombinant-protein-e-coli-elisa-wb-western-blot/62213>