

## Product datasheet

# Recombinant Hepatitis B virus Protein X (His tag) ab236464

### Description

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<b>Product name</b>	Recombinant Hepatitis B virus Protein X (His tag)	
<b>Purity</b>	> 90 % SDS-PAGE. Purity as determined by densitometric image analysis: >90%. Protein quantified by BCA.	
<b>Endotoxin level</b>	< 1.000 Eu/μg	
<b>Expression system</b>	Escherichia coli	
<b>Accession</b>	<a href="#">P12936</a>	
<b>Protein length</b>	Protein fragment	
<b>Animal free</b>	No	
<b>Nature</b>	Recombinant	
<b>Species</b>	Hepatitis B virus	
<b>Sequence</b>	MRGSHHHHHHGSAAARVCCQLDPARDVLCLRPVGAE SRGRPVS GPFGLPS PSSSAVPADHGAHLSLRGLPVCAFSSAGPCALRFTS ARRMETT VNAHQVL PKVLHKRTLGLSAMSTTDLEAYFKDCLFKDWEELGEEI RLKVFVLGGCRH KLVCS P APCNFFTSA	
<b>Predicted molecular weight</b>	18 kDa including tags	
<b>Amino acids</b>	2 to 154	
<b>Tags</b>	His tag N-Terminus	
<b>Additional sequence information</b>	Hepatitis B virus genotype C subtype adr (strain Japan/adr4/1983) (HBV-C).	

### Specifications

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Our [Abpromise guarantee](#) covers the use of **ab236464** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Mass spectrometry</b>	LC-MS/MS
<b>Form</b>	Lyophilised

### Preparation and Storage

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## Stability and Storage

Shipped at Room Temperature. Store at -80°C. Avoid freeze / thaw cycle.

pH: 4

Constituent: 5% Trehalose

50 mM Acetate buffer. (0.4 µm filtered).

## 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. 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 one week.

## General Info

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### Relevance

Protein X from Hepatitis B virus genotype C subtype adr (strain Japan/adr4/1983) (HBV-C). Multifunctional protein that may modulate protein degradation pathways, apoptosis, transcription, signal transduction, cell cycle progress, and genetic stability by directly or indirectly interacting with hosts factors. Does not seem to be essential for HBV infection. May be directly involved in development of cirrhosis and liver cancer (hepatocellular carcinoma). Most of cytosolic activities involve modulation of cytosolic calcium. The effect on apoptosis is controversial depending on the cell types in which the studies have been conducted. By binding to human DDB1, may affect cell viability and stimulate genome replication. May induce apoptosis by localizing in mitochondria and causing loss of mitochondrial membrane potential. May also modulate apoptosis by binding human CFLAR, a key regulator of the death-inducing signaling complex (DISC). Moderately stimulates transcription of many different viral and cellular transcription elements. Promoters and enhancers stimulated by HBx contain DNA binding sites for NF-kappa-B, AP-1, AP-2, c-EBP, ATF/CREB, or the calcium-activated factor NF-AT. May bind bZIP transcription factors like CREB1

### Cellular localization

Host cytoplasm. Host nucleus. Host mitochondrion

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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