

## Product datasheet for PA509X-B

### Hepatitis B X Protein / HBx Hepatitis B Virus Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Hepatitis B X Protein / HBx human recombinant protein with N-terminal His-tag
Species:	Hepatitis B Virus
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MRGSHHHHHH GSAARVCCQL DPARDVLCLR PVGAESRGRP VSGPFGTLPS PSSSAVPADH GAHLSLRGLP VCAFSSAGPC ALRFTSARRM ETTVNAHQVL PKVLHKRTLGSAMSTTDLE AYFKDCLFKD WEELGEEIRL KVFVLGGCRH KLVCSAPCN FFTSA
Tag:	N-terminal His-tag
Concentration:	0.5 mg/ml (after reconstitution)
Purity:	>90 % determined by densitometric image analysis
Buffer:	Presentation State: Purified State: Filtered (0.4 µm) and lyophilized from 0.5 mg/ml solution in 30 mM acetate buffer
Endotoxin:	< 1.0 EU/µg
Reconstitution Method:	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.
Preparation:	Filtered (0.4 µm) and lyophilized from 0.5 mg/ml solution in 30 mM acetate buffer
Applications:	ELISA. Western blotting.
Protein 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 LC-MS/MS.
Note:	Quality Control Tests: - BCA to determine quantity of the protein. - SDS PAGE to determine purity of the protein. - LAL TEST to determine quantity of endotoxin.



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**Storage:** Lyophilized protein can be shipped at ambient temperature.  
Upon receipt, store the lyophilized protein preferably at -80°C. Lyophilized protein remains stable for two years 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.

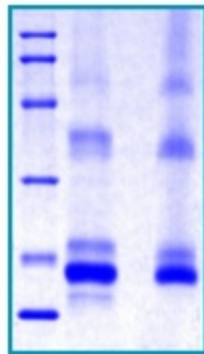
**Locus ID:** 109864281

**Cytogenetics:** 21p11.2

**Synonyms:** RNA5-8N2

**Summary:** 45S ribosomal DNA (rDNA) arrays, or clusters, are present on human chromosomes 13, 14, 15, 21 and 22, designated RNR1 through RNR5, respectively. Each cluster consists of multiple 45S rDNA repeat units that vary in number among individuals and chromosomes, with total diploid copy number estimates ranging from 60 to >800 repeat units in a human genome. The 45S rDNA repeat unit encodes a 45S rRNA precursor, transcribed by RNA polymerase I, which is processed to form the 18S, 5.8S and 28S rRNAs. This gene represents a copy of the 5.8S ribosomal RNA on chromosome 21. [provided by RefSeq, Mar 2017]

### Product images:



14% SDS-PAGE separation of HBx 1. M.W. marker – 14, 21, 31, 45, 66, 97 kDa 2. reduced and heated sample, 2.5µg/lane 3. non-reduced and non-heated sample, 2.5µg/lane