



Recombinant Hepatitis B virus genotype D Protein X (X)

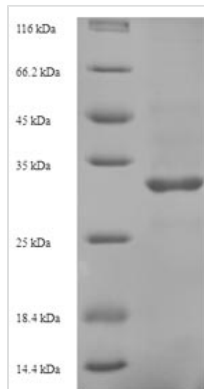
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|--------------------------|---|
| Product Code | CSB-EP526046HVP |
| Relevance | Multifunctional protein that may modulate protein degradation pathways, apoptosis, transcription, signal transduction, cell cycle progress, and genetic stability by directly 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 (By similarity). |
| Abbreviation | Recombinant Hepatitis B virus genotype D protein X |
| Storage | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. |
| Uniprot No. | O93195 |
| Alias | HBx Peptide X pX |
| Product Type | Recombinant Protein |
| Immunogen Species | Hepatitis B virus genotype D (isolate Germany/1-91/1991) (HBV-D) |
| Purity | Greater than 90% as determined by SDS-PAGE. |
| Sequence | MAARLCCQLDPARDVLCLRPVGAESRGRPFSGPFGTLSSPSPSAVSTDHGAH LSLRGLPVCAFSSAGPCALRFTSARRMETTVNAHQFLPKVLYKRTLGLSVMST TDLEAYFKDCLFKDWEELGEETRLMIFVLGGCRHKLVCAPAPCNFF TSA |
| Research Area | Others |
| Source | E.coli |
| Target Names | X |
| Expression Region | 1-154aa |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| Tag Info | N-terminal 6xHis-SUMO-tagged |



Mol. Weight 32.7kDa

Protein Length Full Length

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.