Hepatitis B virus DNA, complete genome, isolate:HBV-PH4

GenBank: AB116094.1

FASTA Graphics

Go to:

```
LOCUS       AB116094               3221 bp    DNA     circular VRL 05-OCT-2006
DEFINITION  Hepatitis B virus DNA, complete genome, isolate:HBV-PH4.
ACCESSION   AB116094
VERSION     AB116094.1
KEYWORDS    .
SOURCE      Hepatitis B virus
  ORGANISM  Hepatitis B virus
            Viruses; Riboviria; Pararnavirae; Artverviricota; Revtraviricetes;
            Blubervirales; Hepadnaviridae; Orthohepadnavirus.
REFERENCE   1
  AUTHORS   Sugauchi,F., Kumada,H., Acharya,S.A., Shrestha,S.M.,
Gamutan,M.T.,
            Khan,M., Gish,R.G., Tanaka,Y., Kato,T., Orito,E., Ueda,R.,
            Miyakawa,Y. and Mizokami,M.
  TITLE     Epidemiological and sequence differences between two subtypes (Ae
            and Aa) of hepatitis B virus genotype A
  JOURNAL   J. Gen. Virol. 85 (PT 4), 811-820 (2004)
   PUBMED   15039524
REFERENCE   2  (bases 1 to 3221)
  AUTHORS   Sugauchi,F., Orito,E. and Mizokami,M.
  TITLE     Direct Submission
  JOURNAL   Submitted (30-JUL-2003) Fuminaka Sugauchi, Nagoya City University
            Graduate School of Medical Sciences, Department of Internal
            Medicine and Molecilar Science; Kawasumi, Mizuho, Nagoya, Aichi
            467-8601, Japan (E-mail:usg268@aol.com, Tel:81-52-853-8292,
            Fax:81-52-842-0021)
FEATURES             Location/Qualifiers
     source          1..3221
                     /organism="Hepatitis B virus"
                     /mol_type="genomic DNA"
                     /isolate="HBV-PH4"
                     /db_xref="taxon:10407"
                     /country="Philippines"
     CDS             155..835
                     /codon_start=1
                     /product="small S protein"
                     /protein_id="BAD08515.1"
                     /translation="MENITSGFLGPLLVLQAGFFLLTRILTIPQSLDSWWTSLNFLGG
                     SPVCLGQNSQSPTSNHSPTSCPPICPGYRWMCLRRFIIFLFILLLCLIFLLVLLDYQG
                     MLPVCPLIPGSTTTSTGTCRTCTTPAQGNSTFPSCCCTKPTGGNCTCIPIPSSWAFAK
```

YLWEWASVRFSWLSLLVPFVQWFVGLSPTAWLSAIWMMWYWGPSLYNILSPFIPLLPI
FFCLWVYI"

CDS 1374..1838
/codon_start=1
/product="X protein"
/protein_id="BAD08516.1"
/translation="MAARLYCQLDSSRDVLCLRPVSAESRGRPFARSLGTLSSPSPSA
VPSDHGAHLSLRGLPVCAFSSAGPCALRFTSARCMETTVNAHQSLPKVLHKRTLGLPA
MSTTDLEAYFKDCVFKDWEELGEEIRLMIFVLGGCRHKLVCAPSSCNFFTSA"

CDS 1814..2458
/codon_start=1
/product="preC/core protein"
/protein_id="BAD08517.1"
/translation="MQLFHLCLIISCTCPTFQASKLCLGWLWGMDIDPYKEFGATVEL
LSFLPSDFFPSVRDLLDTASALYREALESPEHCSPHHTALRQAILCWGELMTLATWVG
NNLEDPASRDLVVNYVNTNMGLKIRQLLWFHISCLTFGRETVLEYLVSFGVWIRTPPA
YRPPNAPILSTLPETTVVRRRDRGRSPRRRTPSPRRRRSQSPRRRRSQSRESQC"

ORIGIN

```
      1 ttccacagct tttcgccaag ctctgcaaga tcccagagtc aggggcctgt atcttcctgc
     61 tggtggctcc agttcaggaa cactcaaccc tgttccaaat attgcctctc acatctcgtc
    121 aatctcctcg aggactgggg accctgcacc gaacatggag aacatcacat caggattcct
    181 aggacccctg ctcgtgttac aggcggggtt tttcttgttg acaagaatcc tcacaatacc
    241 gcagagtcta gactcgtggt ggacttctct caattttcta gggggatcac ccgtgtgtct
    301 tggccaaaat tcgcagtccc caacctccaa tcactcacca acctcctgtc ctccaatttg
    361 tcctggttat cgctggatgt gtctgcggcg ttttatcata ttcctcttca tcctgctgct
    421 atgcctcatc ttcttattgg ttcttctgga ttatcagggt atgttgcccg tttgtcctct
    481 aattccagga tccacaacaa ccagcacggg aacctgcaga acctgcacga ctcctgctca
    541 aggcaactct acgtttccct catgttgctg tacaaaacct acgggtggaa attgcacctg
    601 tattcccatc ccatcatctt gggctttcgc aaaataccta tgggagtggg cctcagtccg
    661 tttctcttgg ctcagtttac tagtgccatt tgttcagtgg ttcgtagggc tttcccccac
    721 tgcttggctt tcagctatat ggatgatgtg gtactggggg ccaagtctgt acaacatctt
    781 gagtcccttt atacctctgt taccaatttt cttttgtctt tgggtataca tttaaaccct
    841 aacaaaacaa agagatgggg ttattccctg aatttcatgg ggtatgtaat tggaagttgg
    901 ggttcattgc cacaggatca tattgtacaa aaaatcaaac actgttttag aaaacttcct
    961 gtcaataggc ctattgattg gaaagtatgt caaagaattg tgggtctttt gggctttgct
```