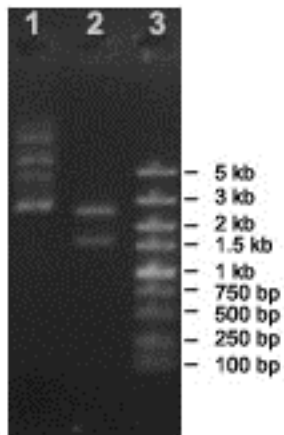


## pUC-H7(A/Shanghai/2/2013/H7N9)

Cat# HA-7902

<b>Gene Name</b>	pUC-H7(A/Shanghai/2/2013/H7N9)
<b>Gene description:</b>	Codon optimized cDNA clone of H7N9 hemagglutinin (aa 1-530) (A/Shanghai/2/2013)
<b>cDNA Insert Size</b>	1620 bp codon optimized H7N9 hemagglutinin (A/Shanghai/2/2013) cDNA with a Kozak consensus sequence(ACCATGA), corresponding to amino acid 1-530 (Gene accession# EPI439502); This hemagglutinin protein has identical amino acid sequence with HA from H7N9 (A/Zhejiang/DTID-ZJU01/2013(Gene accession# AGJ51953).
<b>Vector</b>	pUC57
<b>Cloning Site</b>	EcoRV
<b>Concentration</b>	10 µg (0.2 µg/µl), dissolved in 10 mM Tris/HCl (pH 8.5).
<b>Storage</b>	4 °C.

### Quality Control

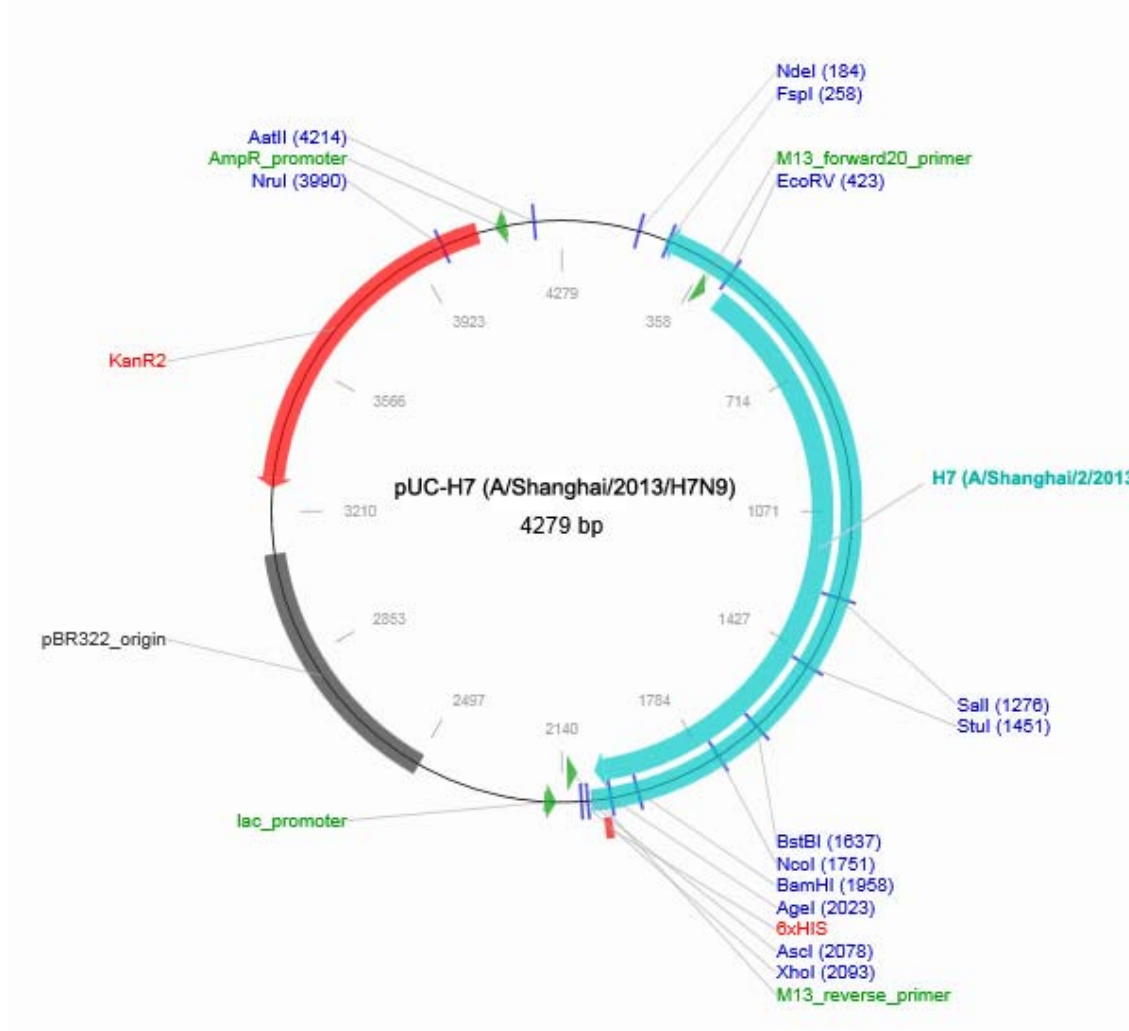


#### **Restriction Enzyme Digestion:**

Lane 1, undigested

Lane 2, digested with EcoRV and XhoI

Construct map:



Detailed amino acid sequence of the HA cDNA clone:

```

1  MNTQILVFAL IAIIPTNADK ICLGHHAVSN  GTKVNTLTER  GVEVFNATET  VERTNIPRIC
61  SKGKRTVDLG QCGLLGTITG PPQCDQFLEF  SADLIERRE  GSDVCYPGKF  VNEEALRQIL
121 RESGGIDKEA MGFTYSGIRT NGATSACRRS  GSSFYAEMKW  LLSNTDNAAF  PQMTKSYKNT
181 RKSPALIVWG IHHSVSTAEQ  TKLYGSGNKL  VTVGSSNYQQ  SFVPSPGARP  QVNGLSGRID
241 FHWLMLNPND TVTFSFNGAF  IAPDRASFLR  GKSMGIQSGV  QVDANCEGDC  YHSGGTIISN
301 LPFQNIIDRA VGKCPRYVKQ  RSLLLATGMK  NVPEIPKGRG  LFGAIAGFIE  NGWEGLIDGW
361 YGFRHQNAQG EGTAADYKST  QSAIDQITGK  LNRLIEKTNQ  QFELIDNEFN  EVEKQIGNVI
421 NWRDSITEV  WSYNAELLVA  MENQHTIDLA  DSEMDKLYER  VKRQLRENAE  EDGTGCFEIF
481 HKCDDDCMAS  IRNNTYDHSK  YREEAMQNR  I  QIDPVKLS  SSG  YKDVILWFSF
  
```