

HPV47

Analysis of mRNA from an HPV47 transformed rat cell line using S1 and primer extension analysis revealed RNA start sites at nt 183–202 with a major start site at nt 198 (1). The early poly(A) sites were mapped to nt 4444 and nt 4465 by cDNA cloning and sequencing. Three RNA structures were determined using cDNA cloning coupled with S1 analysis. Species A is the most abundant mRNA. Only one clone was identified for species B and C mRNAs. The 5' end of the cDNA insert for the species B clone was at an EcoRI site which was used for cloning the cDNA, so the actual cDNA may have extended further upstream.

1. **Kiyono, T., K. Nagashima, and M. Ishibashi.** 1989. The primary structure of major viral RNA in a rat cell line transfected with type 47 human papillomavirus DNA and the transforming activity of its cDNA and E6 gene. *Virology* **173**:551-565.

Extracted from:

Maps of Papillomavirus mRNA Transcripts
1995, 1996 and 1997 LANL Human Papillomavirus Database
Carl Baker^a and Charles Calef^b

^a *Laboratory for Tumor Virus Biology, National Cancer Institute, National Institutes of Health, Bethesda, Maryland 20892-5055*

^b *MS K710, Los Alamos National Laboratory, Los Alamos, New Mexico 87545*