

## HPV 11

**Description:** Recombinant HPV-11 antigen is a 58.1kDa protein covering the full length of HPV-11 major capsid, its N-terminus is fused with a GST tag, having a total molecular weight of 84kDa. The HPV-11 was purified by proprietary chromatographic technique.

**Catalog #:** HPPS-011

**Synonyms:** Papillomavirus, HPV, Papilloma Virus.

For research use only.

**Source:** E.Coli.

**Physical Appearance:** Sterile filtered clear liquid formulation.

**Amino Acid Sequence:**

VDKLWRPSDSTVYVPPNPVSKVVATDAYVKRTNIFYHASSRLLAVGHPYYSIKKVNKTVVPKV  
SGYQYRVFKVVLDPNKFALPDSSLFDPTTQRLVWACTGLEVGRGQPLGVGVSGHPLLNKYDDV  
ENSGGYGGNPGQDNRVNVGMDYKQTQLCMVGCAPPLGEHWGKGTQCSNTSVQNGDCPPLELI  
TSVIQDGMVDTGFGAMNFADLQTNKSDVPLDICGTVCKYPDYLQMAADPYGDRLFFYLKKEQM

**Purity:** Protein is >95% pure as determined by 12% PAGE (coomassie staining).

**Formulation:**

PBS, 0.5M urea and 0.02% Sodium Azide.

**Stability:**

Recombinant HPV-11 although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Applications:**

Each laboratory should determine an optimum working titer for use in its particular application.

**Introduction:**

Human papillomaviruses (HPVs) are a group family with more than 150 related viruses. HP 6 and 11 considered as low-risk HPVs can be sexually transmitted, causing warts to emerge on or around the genitals or anus, known as condylomata acuminata. HPV 11 major/large capsid antigen is used in clinical diagnosis to test the specific antibody to this virus induced by the virus infection, the positive reaction of this antibody is deemed as a marker for present and past infection. Furthermore, HPV 11 large capsid is used as a potential candidate for vaccine development.

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