

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

For research use only.

Synonyms: Papillomavirus, HPV, Papilloma Virus.

Source: E.Coli.

Physical Appearance: Sterile filtered clear liquid formulation.

Amino Acid Sequence:

VDKLWRPSDSTVYVPPNPVSKVVATDAYVKRTNIFYHASSRLLAVGHPYYSIKKVNKTVVPKV
SGYQYRVFKVVLDPNKFALPDSSLFDPTTQRLVWACTGLEVGGRGQPLGVGVSGHPLLNKYDDV
ENSGGYGGNPGQDNRVNVGMDYKQTQLCMVGCAPPLGEHWGKGTQCSNTSVQNGDCPPLELI
TSVIQDGDMDVTGFGAMNFADLQTNKSDVPLDICGTVCKYPDYLQMAADPYGDRLFFYLKREQM

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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