Recombinant Human Papillomavirus HPV11 protein, GST-tagged

Cat. No. HPV11-250P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	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.
Species	Human Papillomavirus
Source	E.coli
Description	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 acuminate. 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 candiadate for vaccine development.
Form	Sterile filtered clear liquid formulation. Recombinant HPV11 solution in PBS, 3M Urea and 100mM arginine.
Molecular Mass	84kDa
AA sequence	VDKLWRPSDSTVYVPPPNPVSKVVATDAYVKRTNIFYHASSSRLLAVGHPYYSIKKV NKTVVPKVSGYQYRVFKVVLPDPNKFALPDSSLFDPTTQRLVWACTGLEVGRGQPL GVGVSGHPLLNKYDD

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	VENSGGYGGNPGQDNRVNVGMDYKQTQLCMVGCAPPLGEHWGKGTQCSNTSVQ NGDCPPLELITSVIQDGDMVDTGFGAMNFADLQTNKSDVPLDICGTVCKYPDYLQM AADPYGDRLFFYLRKEQMF ARHFFNRAGTVGEPVPDDLLVKGGNNRSSVASSIYVHTPSGSLVSSEAQLFNKPYW LQKAQGHNNGICWGNHLFVTVVDTTRSTNMTLCASVSKSATYTNSDYKEYMRHVE EFDLQFIFQLCSITLSA EVMAYIHTMNPSVLEDWNFGLSPPPNGTLEDTYRYVQSQAITCQKPTPEKEKQDPY KDMSFWEVNLKEKFSSELDQFPLGRKFLLQSGYRGRTSARTGIKRPAVSKPSTAPK RKRTKTKKKFGTKLSR.	
Purity	Protein is >90% pure as determined by 10% PAGE (coomassie staining).
Applications	Each laboratory should determine an optimum working titer for use in its particular application.
Usage	The products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.
Stability	Recombinant HPV-11 although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.
Shipping	Ice Packs
Full Length	Full L.

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