9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

HPV 18

Human Papillomavirus 18 Recombinant
VAG0358

Product Overview

Name	HPV 18

Description

Human Papillomavirus 18 Recombinant

Synonyms

Papillomavirus, HPV, Papilloma Virus.

Introduction

Human papillomavirus family consist of over 200 types. Over than 30 to 40 types of HPV are transferred via sexual contact and infect the anogenital region initiating genital warts. Persistent infection with "high-risk" HPV types results in skin warts and leads to precancerous lesions and invasive cancer. HPV infection is considered as a source for all incidents of cervical cancer. E2, E6, and E7 proteins of HPV-16 and 18 are considered the main viral oncoproteins that take part in cervical cancer. The type-specific antigen epitopes of E2, E6, and E7 proteins of HPV-16 are fused together and expressed in E. coli for diagnostic purpose.

Source

E.Coli

Physical Appearance

Sterile filtered clear liquid formulation.

Formulation

Recombinant HPV-18 solution in PBS and 2M Urea.

Purity

Protein is >90% pure as determined by 10% PAGE (Coomassie staining).

Amino acid sequence

VDVYLPPPSVARVVNTDDYVTPTSIFYHAGSSRLLTVGNPYFRVPAGGG
NKQDIPKVSAYQYRVFRVQLPDPNKFGLPDTSIYNPETQRLVWACAGVE
IGRGQPLGVGLSGHPFYNKLDDTESSHAATSNVSEDVRDNVSVDYKQTQ
LCILGCAPAIGEHWAKGTACKSRPLSQGDCPPLELKNTVLEDGDMVDTG
YGAMDFSTLQDTKCEVPLDICQSICKYPDYLQMSADPYGDSMFFCLRRE
QLFARHFWNRAGTMGDTVPQSLYIKGTGMPASPGSCVYSPSPSGSIVTS
DSQLFNKPYWLHKAQGHNNGVCWHNQLFVTVVDTTPSTNLTICASTQSP

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VPGQYDATKFKQYSRHVEEYDLQFIFQLCTITLTADVMSYIHSMNSSIL

EDWNFGVPPPPTTSLVDTYRFVQSVAITCQKDAAPAENKDPYDKLKFWN

VDLKEKFSLDLDQYPLGRKFLVQAGLRRKPTIGPRKRSAPSATTSSKPA.

Precautions

HPV 18 is for research use only and not for use in diagnostic or therapeutic procedures.