

Datasheet for ABIN5711077

**HPV16 E7 Protein (AA 1-105, full length) (His tag)**[Go to Product page](#)**1** Image

## Overview

Quantity:	100 µg
Target:	HPV16 E7 (HPV-16 E7)
Protein Characteristics:	full length, AA 1-105
Origin:	Human Papillomavirus 18 (HPV-18)
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This HPV16 E7 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

## Product Details

Sequence:	MHGPKATLQD IVLHLEPQNE IPVDLLCHEQ LSDSEEENDE IDGVNHQHLP ARRAEPQRHT MLCMCKCEA RIKLVVESSA DDLRAFQQLF LNTLSFVCPW CASQQ
Purification:	SDS-PAGE
Purity:	> 90 %

## Target Details

Target:	HPV16 E7 (HPV-16 E7)
Alternative Name:	VE7 ( <a href="#">HPV-16 E7 Products</a> )
Target Type:	Viral Protein
Background:	E7 protein has both transforming and trans-activating activities. Disrupts the function of host

## Target Details

retinoblastoma protein RB1/pRb, which is a key regulator of the cell cycle. Induces the disassembly of the E2F1 transcription factors from RB1, with subsequent transcriptional activation of E2F1-regulated S-phase genes. Inactivation of the ability of RB1 to arrest the cell cycle is critical for cellular transformation, uncontrolled cellular growth and proliferation induced by viral infection. Stimulation of progression from G1 to S phase allows the virus to efficiently use the cellular DNA replicating machinery to achieve viral genome replication. Interferes with histone deacetylation mediated by HDAC1 and HDAC2, leading to activation of transcription .

Molecular Weight:	16.1 kDa
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UniProt:	<a href="#">P06788</a>
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## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
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Restrictions:	For Research Use only
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## Handling

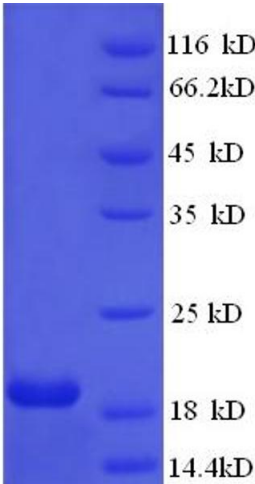
Format:	Liquid
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Concentration:	0.1-2 mg/mL
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Buffer:	20 mM Tris-HCl based buffer, pH 8.0
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Storage:	-80 °C, 4 °C, -20 °C
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Storage Comment:	Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
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**SDS-PAGE**

**Image 1.**