Datasheet for ABIN5710924

HPV16 E7 Protein (AA 1-99, full length) (His-SUMO Tag)

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Overview

Quantity:	100 µg
Target:	HPV16 E7 (HPV-16 E7)
Protein Characteristics:	full length, AA 1-99
Origin:	Human papillomavirus type 52
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This HPV16 E7 protein is labelled with His-SUMO Tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MRGDKATIKD YILDLQPETT DLHCYEQLGD SSDEEDTDGV DRPDGQAEQA TSNYYIVTYC HSCDSTLRLC IHSTATDLRT LQQMLLGTLQ VVCPGCARL
Purification:	SDS-PAGE
Purity:	> 90 %

Target Details

Target:	HPV16 E7 (HPV-16 E7)
Alternative Name:	VE7 (HPV-16 E7 Products)
Target Type:	Viral Protein
Background:	E7 protein has both transforming and trans-activating activities. Disrupts the function of host

Target Details

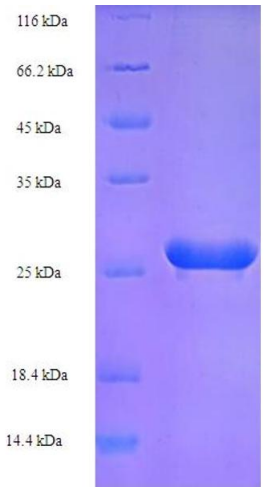
	retinoblastoma protein RB1/pRb, which is a key regulator of the cell cycle. Induces the disassbly of the E2F1 transcription factors from RB1, with subsequent transcriptional activation of E2F1-regulated S-phase genes. Inactivation of the ability of RB1 to arrest the cell cycle is critical for cellular 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:	27.03 kDa
UniProt:	P36831

Application Details

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

Handling

Format:	Liquid
Concentration:	0.1-2 mg/mL
Buffer:	20 mM Tris-HCl based buffer, pH 8.0
Storage:	-80 °C,4 °C,-20 °C
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.



SDS-PAGE

Image 1.

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