

papillomavirus type 16 Protein E7 (E7) Recombinant Protein | E7 recombinant protein

Recombinant Human papillomavirus type 16 Protein E7 (E7)

CATALOG # AAA18713	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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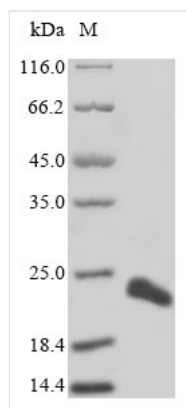
PRODUCT SYNONYMS

papillomavirus type 16 Protein E7 (E7); Recombinant Human papillomavirus type 16 Protein E7 (E7); Protein E7; E7 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-98aa; Full Length Protein
Sequence	MHGDTPTLHE YMLDLQPETT DLYCYEQLND SSEEDEIDG PAGQAEPDRA HYNIVTFCK CDSTLRLCVQ STHVDIRTLE DLLMGTGIV CPICSQKP
Species	Human papillomavirus type 16
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for E7 recombinant protein	E7 protein has both transforming and trans-activating activities. Disrupts the function of host 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.
Product Categories/Family for E7 recombinant protein	Epigenetics and Nuclear Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	9627105
NCBI GeneID	1489079
NCBI Accession #	NP_041326.1
NCBI GenBank Nucleotide #	NC_001526.2
UniProt Accession #	P03129; Q778G4
Molecular Weight	13.0 kDa
NCBI Official Full Name	transforming protein
NCBI Official Symbol	E7
NCBI Protein Information	transforming protein
UniProt Protein Name	Protein E7
UniProt Gene Name	E7
UniProt Entry Name	VE7_HP16

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/e7-recombinant-protein-e-coli/18713>