

papillomavirus type 16 Regulatory protein E2 (E2) Recombinant Protein | E2 recombinant protein

Recombinant Human papillomavirus type 16 Regulatory protein E2 (E2)

CATALOG # AAA18645	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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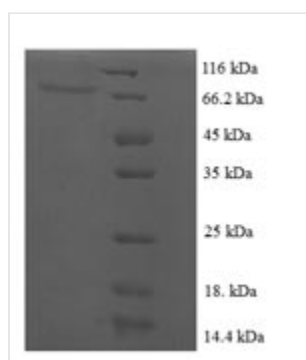
PRODUCT SYNONYMS

papillomavirus type 16 Regulatory protein E2 (E2); Recombinant Human papillomavirus type 16 Regulatory protein E2 (E2); E2 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	1-365aa; Full Length Protein
Sequence	METLCQRLNV CQDKILTHYE NDSTDLRDHI DYWKHMRLEC AIYYKAREMG FKHINHQVVP TLAVSKNKAL QAIELQLTLE TIYNSQYSNE KWTLDQVSLE VYLTAPTGCI KKHGYTVEVQ FDGDICNTMH YTNWTHIYIC EEASVTVVEG QVDYYGLYYV HEGIRTYFVQ FKDDAEKYSK NKVWEVHAGG QVILCPTSVF SSNEVSSPEI IRQHLANHPA ATHTKAVALG TEETQTTIQR PRSEPDTGNP CHTTKLLHRD SVDSAPILTA FNSSHKGRIN CNSNTTPIVH LKGDANTLKC LRYRFKKHCT LYTAVSSTWH WTGHNVKHKS AIVTLTYDSE WQRDQFLSQV KIPKTITVST GFMSI
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for E2 recombinant protein	Plays an accessory role in initiation of DNA replication. A dimer of E2 interacts with a dimer of E1 in order to improve specificity of E1 DNA binding activity. Once the complex recognizes and binds DNA at specific sites, the E2 dimer is roved from DNA. E2 also regulates viral transcription through binding to the E2RE response element (5'-ACCNNNNNNGGT-3') present in multiple copies in the regulatory regions of the viral genome. Activates or represses transcription depending on E2RE's position with regards to proximal promoter elements including the TATA-box. Repression occurs by sterically hindering the assembly of the transcription initiation complex.
Product Categories/Family for E2 recombinant protein	Epigenetics and Nuclear Signaling

References	Human papillomavirus type 16 DNA sequence.Seedorf K., Krammer G., Durst M., Suhai S., Rowekamp W.G.Virology 145:181-185(1985) Cloning and sequencing of non-European human papillomavirus (HPV)variant complete genomes from cervicovaginal cells by an overlapping PCR method.Terai M., Fu L., Ma Z., Burk R.D. Transcriptional trans-activation by the human papillomavirus type 16 E2 gene product.Phelps W.C., Howley P.M.J. Virol. 61:1630-1638(1987) Transient replication of human papillomavirus DNAs.Del Vecchio A.M., Romanczuk H., Howley P.M., Baker C.C.J. Virol. 66:5949-5958(1992) Human papillomavirus 16 L2 inhibits the transcriptional activation function, but not the DNA replication function, of HPV-16 E2.Okoye A., Cordano P., Taylor E.R., Morgan I.M., Everett R., Campo M.S.Virus Res. 108:1-14(2005) Regulation of human papillomavirus type 16 E7 activity through direct protein interaction with the E2 transcriptional activator.Gammoh N., Grm H.S., Massimi P., Banks L.J. Virol. 80:1787-1797(2006) TAF1 interacts with and modulates human papillomavirus 16 E2-dependent transcriptional regulation.Centeno F., Ramirez-Salazar E., Garcia-Villa E., Gariglio P., Garrido E.Intervirology 51:137-143(2008) Expression, crystallization and preliminary X-ray analysis of the E2 transactivation domain from papillomavirus type 16.Burns J.E., Moroz O.V., Antson A.A., Sanders C.M., Wilson K.S., Maitland N.J.Acta Crystallogr. D 54:1471-1474(1998)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	9627106
NCBI GeneID	1489080
NCBI Accession #	NP_041328.1
NCBI GenBank Nucleotide #	NC_001526.2
UniProt Accession #	P03120; Q71BI4; W2WLHS
Molecular Weight	68.8 kDa
NCBI Official Full Name	regulatory protein
NCBI Official Symbol	E2
NCBI Protein Information	regulatory protein
UniProt Protein Name	Regulatory protein E2
UniProt Gene Name	E2
UniProt Entry Name	VE2_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.