



Recombinant Human papillomavirus type 18 Protein E7 (E7)

Product Code	CSB-EP361948HMN
Relevance	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 .
Abbreviation	Recombinant Human papillomavirus type 18 E7 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P06788
Product Type	Recombinant Proteins
Immunogen Species	Human papillomavirus type 18
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MHGPKATLQDIVLHLEPQNEIPVDLLCHEQLSDSEEENDEIDGVNHQHLPARR AEPQRHTMLCMCKCEARIKLVVLESSADDLRAFQQFLNLTLSFVCPWCASQQ
Source	E.coli
Target Names	E7
Expression Region	1-105aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	16.0kDa
Protein Length	Full Length
Image	

