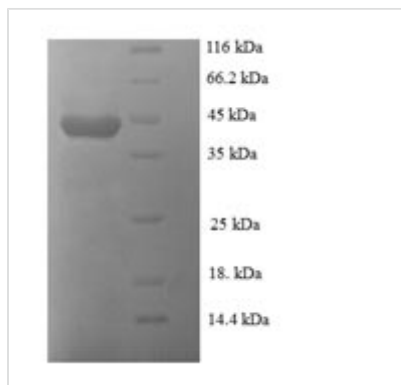




Recombinant Human papillomavirus type 18

Regulatory protein E2 (E2)

Product Code	CSB-EP361949HMN
Relevance	E2 regulates viral transcription and DNA replication. It binds to the E2RE response element (5'-ACCNNNNNNGGT-3') present in multiple copies in the regulatory region. It can either activate or repress transcription depending on E2RE's position with regards to proximal promoter elements. Repression occurs by sterically hindering the assembly of the transcription initiation complex. The E1-E2 complex binds to the origin of DNA replication.
Abbreviation	Recombinant Human papillomavirus type 18 E2 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.	P06790
Product Type	Recombinant Protein
Immunogen Species	Human papillomavirus type 18
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MQTPKETLSERLSCVQDKIIDHYENDSKDIDSQIQYWQLIRWENAIFFAAREHGI QTLNHQVVPAYNISKSAHKAIELQMALQGLAQSAKTEDWTLQDTCEELWNT EPTHCFKKGGQTVQVYFDGNKDNMTYVAWDSVYYMTDAGTWDKTATCVS HRGLYYVKEGYNTFYIEFKSECEKYGNTGTWEVHFGNNVIDCNDSMCSTSD TVSATQLVKQLQHTPSPYSSTVSVGTAQTYGQTSAAATRPGHCGLAEKQHC GPVNPLLGAATPTGNNKRRKLCSGNTTPIIHLKGDRLSLKCLRYRLRKHSDHYRDI SSTWHWTGAGNEKTGILTVTYHSETQRTKFLNTVAIPDSVQILVGYMTM
Research Area	Epigenetics and Nuclear Signaling
Source	E.coli
Target Names	E2
Expression Region	1-365aa
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	45.3 kDa
Protein Length	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

Introducing our high-quality Recombinant Human papillomavirus type 18 Regulatory protein E2, a powerful research tool specifically designed for the study of Regulatory protein E2 from Human papillomavirus type 18 (HPV18). Regulatory protein E2 plays a pivotal role in the regulation of viral gene expression and DNA replication in HPV18, making it a valuable target for understanding the mechanisms of HPV18 infection and potential therapeutic strategies.

Our Recombinant Human papillomavirus type 18 Regulatory protein E2 is the full-length protein (1-365aa) expressed in *E. coli*, ensuring that you have the complete protein for your research needs. The protein features an N-terminal 6xHis-tag for efficient purification and detection in your experiments. With a purity greater than 90% as determined by SDS-PAGE, and available in both liquid and lyophilized powder forms, this recombinant protein provides the quality and performance you require for your HPV18 studies.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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.