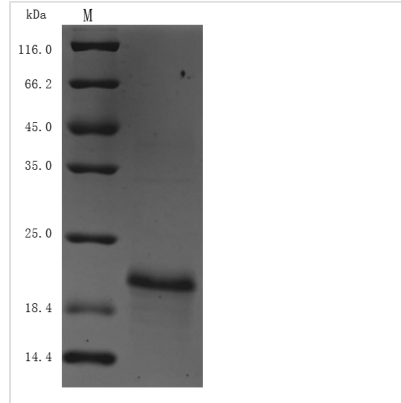


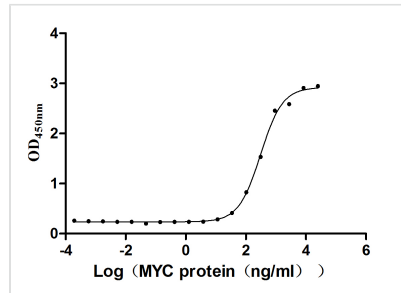


# Recombinant Human papillomavirus type 16 Protein E7 (E7) (Active)

<b>Product Code</b>	CSB-EP365855HMLg5
<b>Abbreviation</b>	Recombinant Human papillomavirus type 16 E7 protein
<b>Storage</b>	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.
<b>Uniprot No.</b>	P03129
<b>Form</b>	Lyophilized powder
<b>Storage Buffer</b>	Lyophilized from a 0.2 µm filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Human papillomavirus type 16
<b>Biological Activity</b>	Measured by its binding ability in a functional ELISA. Immobilized HPV16 E7 at 10 µg/mL can bind Biotinylated MYC?CSB-EP015270HU-B?, the EC <sub>50</sub> is 268.1-354.3 ng/mL.
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	MHGDPTLTHEYMLDLQPETTDLYCYEQLNDSSEEEDEIDGPAGQAEPDRAHY NIVTFCCKCDSTLRRLCVQSTHVDIRTLEDLLMGTGIVCPICSQKP
<b>Research Area</b>	Microbiology
<b>Source</b>	E.coli
<b>Target Names</b>	E7
<b>Expression Region</b>	1-98aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-tagged and C-terminal 6xHis-tagged
<b>Mol. Weight</b>	16.3 kDa
<b>Protein Length</b>	Full Length
<b>Image</b>	



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



#### Activity

Measured by its binding ability in a functional ELISA. Immobilized HPV16 E7 at 10 µg/ml can bind Biotinylated MYC?CSB-EP015270HU-B?, the EC<sub>50</sub> is 268.1-354.3 ng/mL.

### 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.