



# Certificate of Analysis

## Protein E6, HPV16 (His)

Cat. No.:	HY-P72260
Batch No.:	379506
Species:	Virus
Source:	<i>E. coli</i>
Tag:	N-6*His
Accession:	P03126 (M1-L158)
Gene ID:	1489078
Molecular Weight:	Monomer: 22 kDa Dimer: 44 kDa. It is speculated that the protein forms a dimeric structure.

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 90% as determined by reducing SDS-PAGE.	≥98.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured in a cell proliferation assay using A549 cells. The ED <sub>50</sub> for this effect is <6.8 ng/mL, corresponding to a specific activity is >1.47×10 <sup>5</sup> units/mg.	4.321 ng/mL
Appearance	Lyophilized powder	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).	
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.	
Shipping	Room temperature in continental US; may vary elsewhere.	

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA