

Recombinant HPV16 E6 Protein, His tagged

Cat. No. E6-14H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Protein E6, HPV16 (His, 1-158aa) is the recombinant Virus-derived protein E6, HPV16, expressed by E. coli , with N-6×His labeled tag.
Species	HPV16
Source	E.coli
ProteinLength	1-158 aa
Description	Protein E6 is one of three cancer proteins encoded by human papillomavirus (HPV). The binding of Protein E6 to ubiquitin protein ligase can inhibit the expression of p53. Protein E6 suppresses the immune response through the JAK-STAT signaling pathway. Protein E6 can promote cell proliferation and inhibit cell apoptosis.
Tag	N-6×His
Form	Lyophilized Powder
Bio-activity	Measured in a cell proliferation assay using A549 cells. The ED50 for this effect is < 6.8 ng/mL, corresponding to a specific activity is > 1.47×10 ⁵ units/mg.
Molecular Mass	22 kDa (monomer), 44 kDa (dimer)
AA Sequence	MHQKRTAMFQDPQERPRKLPQLCTELQTTIHDIILECVYCKQQLLRREVYDFAFRDL CIVYRDGNPYAVCDKCLKFYISKISEYRHYCYSLYGTTLEQQYNKPLCDLLIRCINCQK

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	PLCPEEKQRHLDKKQRFHNIRGRWTGRCMSCCRSSRTRRETQL
Endotoxin	< 1 EU/μg, determined by LAL method.
Storage	Store at -20 centigrade for 2 years. After reconstitution, it is stable at 4 centigrade for 1 week or -20 centigrade for longer (with carrier protein). It is recommended to freeze aliquots at -20 or -80 centigrade for extended storage.
Storage Buffer	Lyophilized from 0.22 μm filtered solution in 10 mM Tris-HCl, 1 mM EDTA, 6% Trehalose, pH 8.0 or 50 mM Tris-HCL, 300 mM NaCl, 200 mM arginine, pH 8.0 or 50 mM Tris-HCL, 300 mM NaCl, 500 mM arginine, pH 8.0.
Shipping	Room temperature in continental US; may vary elsewhere.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).

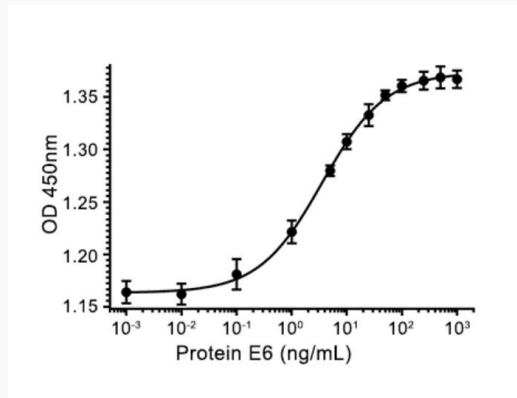
GENE INFORMATION

Gene Name	E6 protein E6*;transforming protein E6 [Human papillomavirus 16]
Official Symbol	E6
Synonyms	E6; protein E6*;transforming protein E6; Oncoprotein. It has long been recognized as a potent oncogene and is intimately associated with the events that result in the malignant conversion of virally infected cells; Spliced. E6*. Function is not known yet.
Gene ID	1489078
Protein Refseq	NP_041325

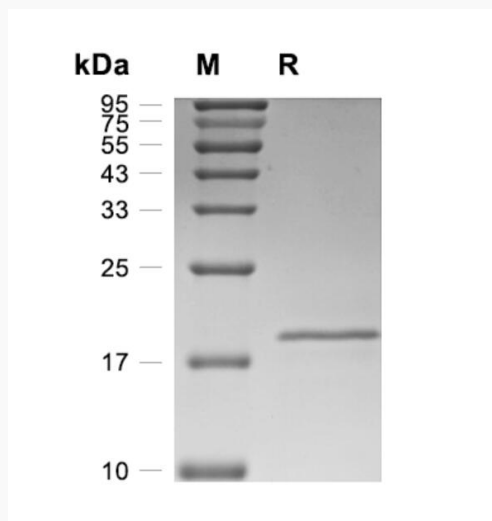
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UniProt ID
P03126
Activity


Measured in a cell proliferation assay using A549 cells. The ED50 for this effect is 3.586 ng/mL, corresponding to a specific activity is 2.79×10^5 units/mg.

Purity


Greater than 95% as determined by reducing SDS-PAGE.

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