## **Supplementary Table S1**

**Title:** Combination therapy using human papillomavirus L1/E6/E7 genes and archaeosome: a nanovaccine confer immuneadjuvanting effects to fight cervical cancer

## Hesam Karimi <sup>1</sup>, Hoorieh Soleimanjahi <sup>1\*</sup>, Asghar Abdoli <sup>2</sup>, Razieh Sadat Banijamali <sup>1</sup>

- 1. Department of Virology, Faculty of Medical Sciences, Tarbiat Modares University, Tehran, Iran
- 2. Department of Hepatitis and AIDS, Pasteur Institute of Iran, Tehran, Iran
- \* Corresponding Author: Hoorieh Soleimanjahi, PhD; Professor Tel: [+98] 21 82883561- Email: soleim\_h@modares.ac.ir

Table S1. The amino acid sequences of the antigenic epitopes of the HPV 16 L1, E6, and E7 genes

	Туре	Protein	Sequence of antigenic epitopes
	HPV16	L1	AGVDNRECISMDYKQTQLCLIGCKPPI
	HPV16	E6	SEYRHYCYSLYGTTLEQQYNKPLCDLL
_	HPV16	E7	RAHYNIVTFRAHYNIVTF

To generate the recombinant construct (L1/E6/E7) encoding CTL-epitopes restricted by both human and mouse, the cellular antigenic regions of the human papillomavirus type 16 genes, containing L1, E6 and E7 selected and linked by a spacer of glutamic acid, alanine, alanine, alanine, and lysine. The final synthesized gene sequences (397 bp) encodes a protein with molecular weight of ~14.3 kDa includes 128 amino acid.