

Electronic Supplementary Material

The Scorpion Venom Peptide Smp76 Inhibits Viral Infection by Regulating Type-I Interferon Response

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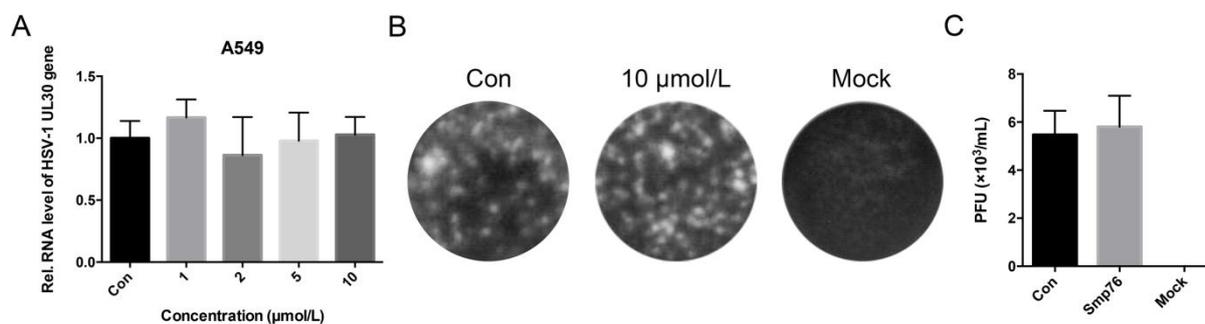


Figure S1. Effect of rSmp76 on HSV-1-infected A549 cells. (A) Effect of rSmp76 on HSV-1 UL30 RNA in A549 cells. (B and C) Plaque assay. Effect of rSmp76 on HSV-1 particles from the supernatant of A549 cells. Extracellular HSV-1 particles were diluted 100X and quantified by plaque formation. Data represent the mean \pm SD of three independent experiments. The internal control of subfigure A is *GAPDH*.

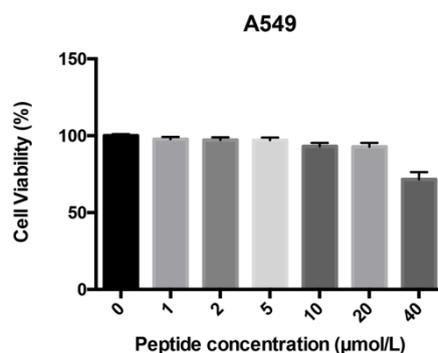


Figure S2. MTT assay of rSmp76 cytotoxicity in A549 cells. Data represent the mean \pm SD of three independent experiments.

Table S1. List of primers used for qRT-PCR in this study

Primer	Sequence (5'-3')
DENV	F1: GGCCTCGACTTCAATGAGATGG R1: CCTGTTTCTTCGCATGGGGAT
ZIKV	F2: CCGCTGCCCAACACAAG R2: CCACTAACGTTCTTTTGCAGACAT
HSV-1 UL30	F3: CATCACCGACCCGGAGAGGGAC R3: GGGCCAGGCGCTTGTGGTGTA
IFN- β	F4: CAGCAATTTTCAGTGTGTCAGAAGC R4: TCATCCTGTCCTTGAGGCAGT
ISG15	F5: TCATCCTGTCCTTGAGGCAGT R5: ACTCATCTTTGCCAGTACAGGAG
OAS2	F6: ACAGCTGAAAGCCTTTTGGGA R6: GCATTAAAGGCAGGAAGCAC
GAPDH	F7: ATGACATCAAGAAGGTGGTG R7: CATACCAGGAAATGAGCTTG