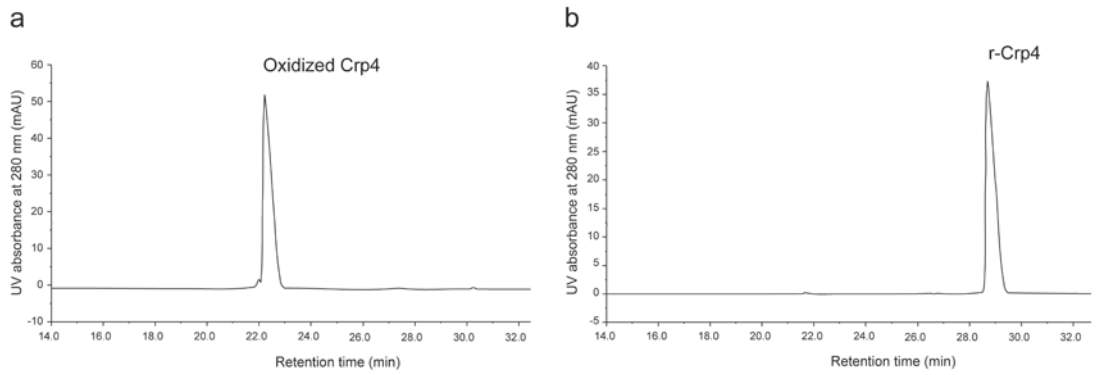
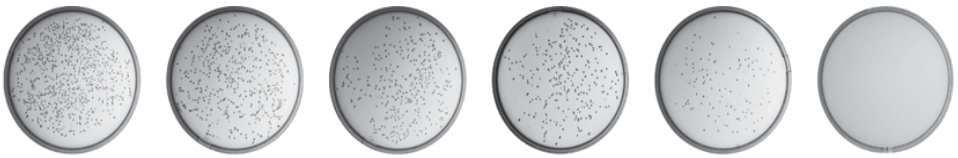


Online Supplementary Fig. S1. Purification of oxidized Crp4 and r-Crp4 by RP-HPLC. Oxidized Crp4 (a) and r-Crp4 (b) were purified by a C-18 column (SepaxHP-C18, 4.6x150 mm, 5 µm, Sepax Technologies, Inc., Newark, DE) in 0.1% trifluoroacetic acid with an 18-36% acetonitrile gradient developed over 30 min at 1 ml/min.



Peptide concentration (µM):	0	0.027	0.054	0.135	0.27	1.35
Survival bacteria (colonies):	1,054	656	423	313	148	0

Online Supplementary Fig. S2. Bactericidal peptide assay. The colonies of Salmonella enterica serovar Typhimurium incubated with oxidized Crp4 are shown as a representative example. Exponential-phase bacteria cultured at 37°C were washed and the bacteria populations were adjusted to 1,000 CFU in 20 µl. Then the bacteria solution was mixed with equivalent volumes of oxidized Crp4 with the final concentrations of 0.027, 0.054, 0.135, 0.27, and 1.35 µM. The mixtures were plated after incubation for 1 h at 37°C. The assay measured bactericidal activity because the peptides affect bacteria only at the incubation time. Bacteria survival rates were determined from the numbers of surviving colonies relative to peptide-unexposed controls.