Biological Potential and Mechanism of Prodigiosin from *Serratia marcescens* Subsp. *lawsoniana* in Human Choriocarcinoma and Prostate Cancer Cell Lines

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Table S1. Shape and growth temperature of strain HDZK-BYSB107.

Characteristics	Strain HDZK-BYSB107	Standard strain ATCC 8100	Reference strains	
			Strain HBU-01	Strain FU-01
Shape of strain body	oval	short rod	short rod	short rod
Arrangement of strain body	pairs or single	single	single	single
Cell size (am)	0.45-0.55×0.75-0.85		0.7-0.8×2.0-2.5	0.7-0.8×2.0-2.5
Colony size (mm)	2.2			
Colony color	dark red	red	light red	light red
Lowest growth temperature	10° C	15° C	15° C	15° C
Optimum growth temperature	28° C	37° C	37° C	37° C
Gram staining	—	—	—	—
Capstone	+	+	+	+

"+" positive reaction; "—" indicates negative reaction.

Table S2. Physiological and biochemical properties of strain HDZK-BYSB107.

Characteristics	Strain HDZK-BYSB107	Standard strain ATCC8100	Reference strains	
			Strain HBU-01	Strain FU-01
Anaerobic growth	+	+	+	+
Motility	+	+	+	+
Peroration & cattail	+	+	+	+
Growth with 2% Clonal	+	+	+	+
Growth with 6% Clonal	+	−	−	−
V-P reaction	+	+	+	+
In dole	+		+	+
Methyl red	−	−	−	−
Cit rate utilization	+	+	+	+
H_2S	−	−	−	−
Gelatin hydrolysis (22° C)	+	+	+	+
Elysian declaratory	−	−	−	−
Arline hydro lase	+	−	−	−
Earthiness declaratory		+	+	+
Marinate utilization	−	−	−	−
Starch hydrolysis	+	+	+	+
Urea utilization	−	+	+	+
Growth with 2% sucrose	+	+	+	+
Growth with 10% sucrose	+	+	+	+
Growth with 20% sucrose	+	−	−	−
Pigment	red	pink	pink	pink
Broth with 40% cholera	−	−	−	−
Acid production from glucose	+	+	+	+
Acid production from sucrose	+	+	+	+
Acid production from fructose	+	+	+	+
Acid production from salience	+	+	+	+
Acid production from loosely	+	−	−	−
Acid production from inseparable	−	−	−	−
Acid production from rhinoceros	+	−	−	−
Acid production from Sorbonne	−	−	−	−
Acid production from absorbing	−	−	−	−
Acid production from raffishness	−	−	−	−
Acid production from Mann	−	−	−	−
Acid production from mannish	−	−	−	−

"+" positive reaction; "−" negative reaction.

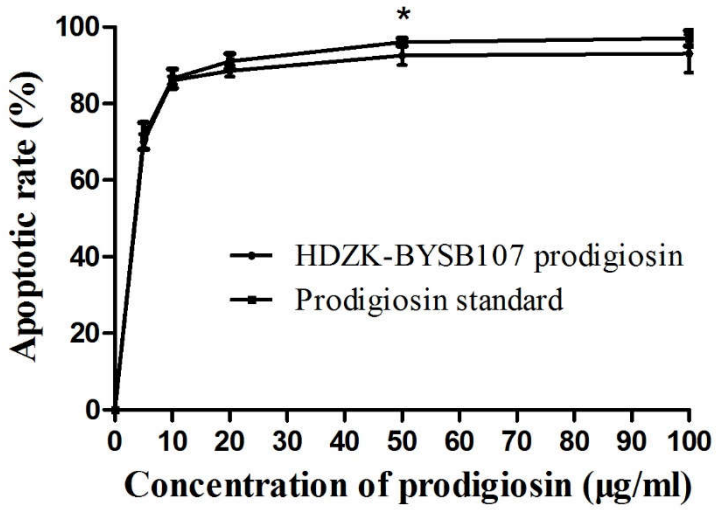

Figure S1. Apoptotic rate of JEG3 cells treated with the different concentration of strain HDZK-BYSB107 prodigiosin or prodigiosin standard.