

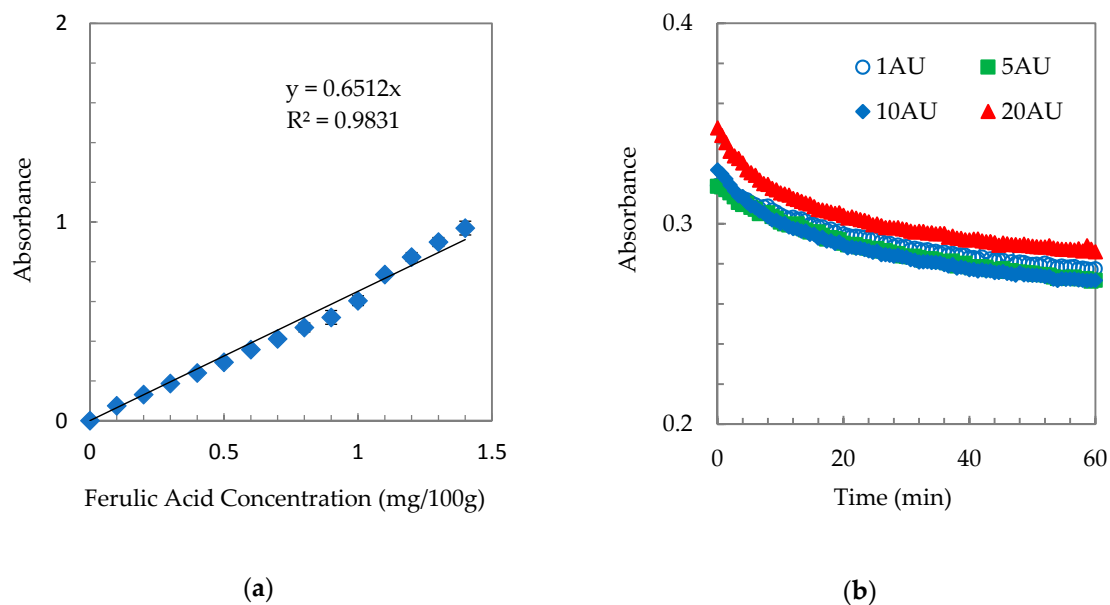


Figure S1. (a) Standard absorbance of ferulic acid concentration in sugar beet pectin at 325 nm wavelength and 25 °C; (b) Influence of different enzyme concentrations on time-dependence of absorbance at 325 nm of 0.4 w/w % sugar beet pectin dispersions at pH 5 (citrate buffer 50mM) at 25 °C. Error bars correspond to ± 1 standard deviation of triplicate freshly prepared samples, and each sample was measured three times.

Table S1. Effect of thermal treatment at 80 °C for 10 min on particle size and ζ -potential of SBP-SC conjugates at pH 4.5 and pH 7 at 20 °C. The different letters (a, b, c, d, e, f, g, h, I, and j) represent significant differences among samples (p -value < 0.05).

SBP:SC	z-Average Radius (nm)	ζ -Potential (mV)
1:1 P pH4.5	259 $\pm$ 23 ^a	-34.04 $\pm$ 0.67 ^e
1:1 P pH 4.5 heat 80°C	223 $\pm$ 11 ^b	-33.55 $\pm$ 0.66 ^e
1:1 E pH4.5	188 $\pm$ 18 ^c	-29.18 $\pm$ 0.74 ^f
1:1 E pH 4.5 heat 80°C	187 $\pm$ 9 ^c	-31.81 $\pm$ 0.31 ^g
1:1 M pH4.5	>2000	-29.18 $\pm$ 0.52 ^f
1:1 M pH 4.5 heat 80°C	> 2000	-28.26 $\pm$ 0.24 ^h
1:1 P pH7	183 $\pm$ 31 ^c	-36.12 $\pm$ 0.63 ^I
1:1 P pH 7 heat 80°C	147 $\pm$ 4 ^d	-38.79 $\pm$ 1.60 ^j
1:1 E pH7	188 $\pm$ 19 ^c	-36.04 $\pm$ 0.35 ^I
1:1 E pH 7 heat 80°C	166 $\pm$ 16 ^c	-35.26 $\pm$ 0.31 ^I
1:1 M pH7	213 $\pm$ 19 ^b	-36.64 $\pm$ 0.54 ^I
1:1 M pH 7 heat 80°C	160 $\pm$ 14 ^c	-36.34 $\pm$ 0.23 ^I