

Supplemental Information

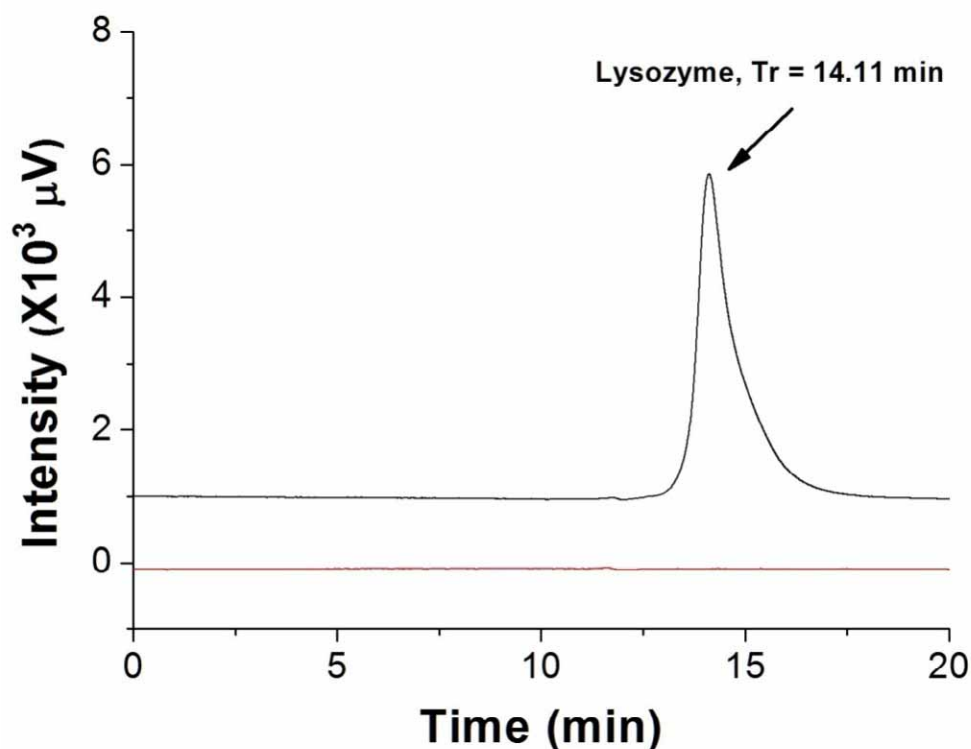


Figure S1. The elution curves of 0.05 mg/mL lysozyme solution (black line) and the supernatant (purple line) of a centrifuged MIP nanogel solution after extensively washing the MIP nanogels with 0.5 M NaCl solution and then ultrapure water. Elution of protein was detected by a UV-vis detector at 280 nm in a gel permeation chromatography system.

Clearly, there is no signal for the supernatant of the washing process at a retention time 14.11, which corresponds to the signal of lysozyme. Given that fact that the detection limit of UV analysis of protein samples is 1 $\mu\text{g/mL}$, it is estimated that more than 99.5% of lysozyme template was washed out with 0.5 M NaCl solution and ultrapure water.

The original HPLC results are enclosed (next page).

Original HPLC test results

Gel permeation chromatography system: SHIMADZU SPD-10Avp

Detector: UV-vis detector

Column: TOSOH TSK-GEL G2000SW_{XL} Column No. R4985, 5 μ m, 7.8 $\times$ 300mm

Wavelength: 280 nm

Injection Volume: 20 μ L

Mobile phase: 1X PBS and 1mL/min

Lysozyme concentration : 0.05mg/mL

