



**FIGURE S2**  $\alpha$ -MMC fusion proteins were purified by Ni-NTA Resin affinity chromatography. M: Protein Marker; 1: Precipitation; 2: Supernatant; 3: Penetrant solution; 4: 60 mmol/L imidazole eluate; 5: 80 mmol/L imidazole eluate; 6: 100 mmol/L imidazole eluate; 7: 200 mmol/L imidazole eluate