



**Figure S1.** SDS-PAGE analysis of the crude and purified recombinant proteins: **(a)** crude recombinant protein; **(b)** recombinant protein following diafiltration; **(c)** purified protein following affinity chromatography and concentrated via ultrafiltration. All protein samples were loaded with the total concentration of 30  $\mu$ g for each well. M: PageRuler unstained protein leader (Thermo Fisher Scientific, USA).