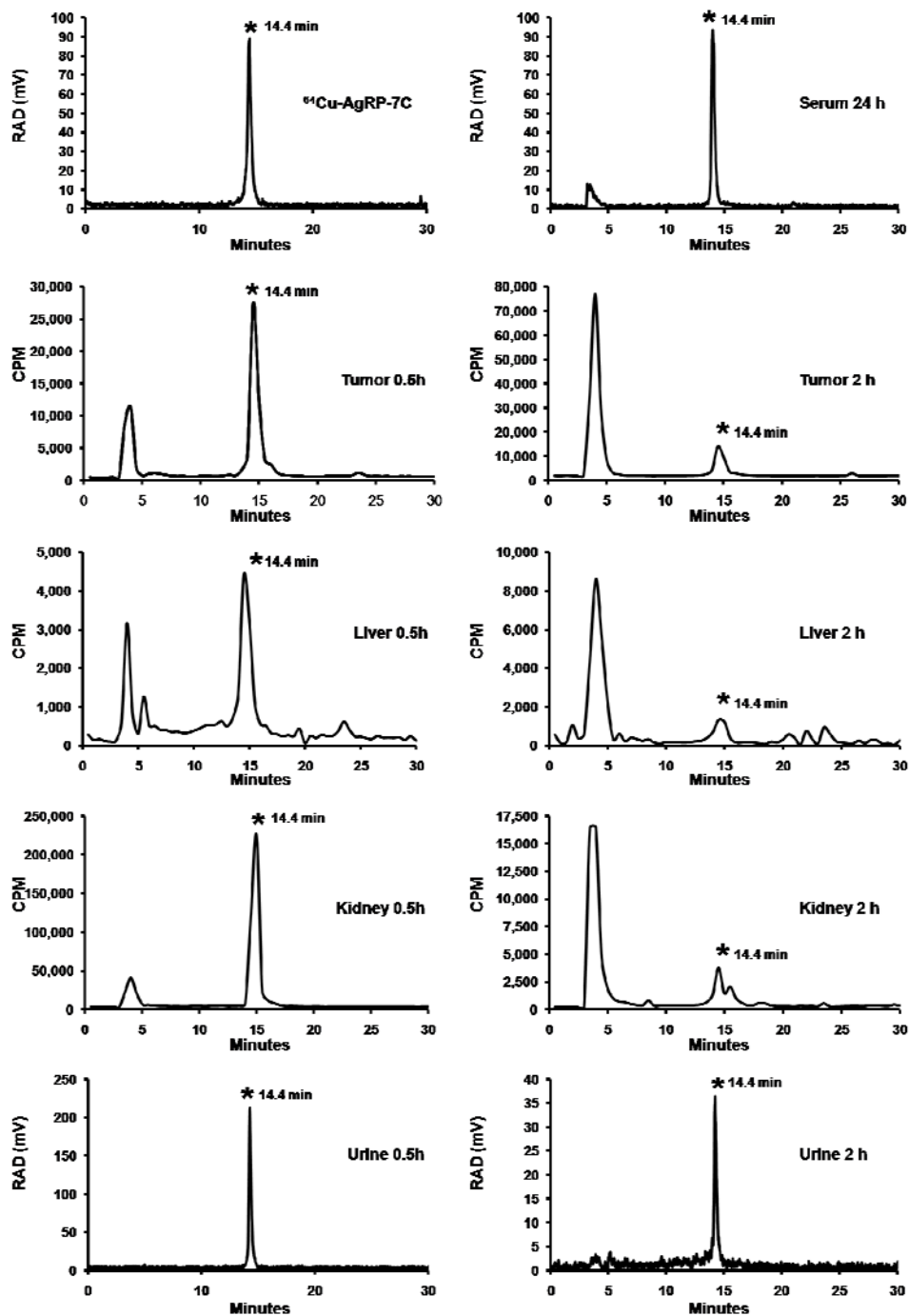


Supplemental Figure 1. Cartoon representation of the AgRP cystine-knot protein used for molecular probe development.



Supplemental Figure 2. Serum stability and *in vivo* metabolite analysis of ^{64}Cu -DOTA-AgRP-7C. HPLC radiochromatograms of intact ^{64}Cu -DOTA-AgRP-7C probe, and probe after incubation with mouse serum at 37 °C for 24 h. Homogenized tissues were analyzed by radio-HPLC and γ counting at 0.5 and 2 h post injection.