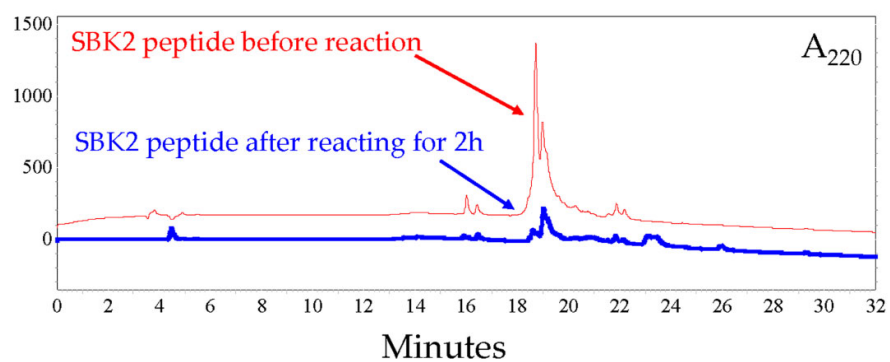


(a)



(b)

Figure S1. Conjugation of the Scrambled and SBK2 peptides to the lipid DSPE-PEG-maleimide. Chromatograms are shown for representative reactions demonstrating the successful conjugation of the Scrambled peptide (panel a) and the SBK2 (PTP μ targeting) peptide (panel b) to DSPE-PEG-maleimide. For each reaction, 5 μ L injections of a 1:4 dilution of the reaction mixture at the start (red tracing) and after 2 h (blue tracing) are shown. For both reactions, only trace amounts of either peptide (RT = ~18 min) remained after 2 h indicating that both the Scrambled and SBK2 peptides had been successfully conjugated to the lipid.

