Supporting Information for

Development of caged non-hydrolyzable phosphoamino acids and application to photo-control of binding affinity of phosphopeptide mimetic to phosphopeptide-recognizing protein

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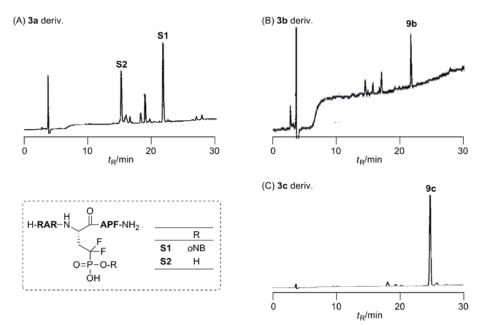
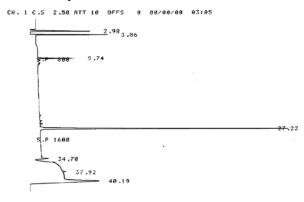
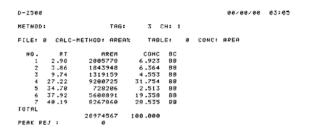


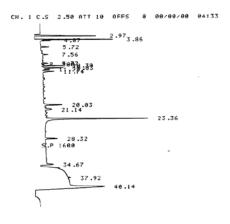
Figure S1. HPLC profiles of crude peptides containing **3a–c.** HPLC conditions: linear gradient of 0.1% (v/v) TFA/MeCN in 0.1% (v/v) TFA aq, 5–45% over 30 min. oNB-deletion was sometimes observed, and an amount of the oNB-deleted peptide was increased when an amino acid building blocks had not been preactivated before incorporation into a peptide by SPPS. **S1:** LRMS (ESI-TOF) m/z calcd for $[M + 2H]^{2+}$ 526.7, found; 526.8. **S2:** LRMS (ESI-TOF) m/z calcd for $[M + 2H]^{2+}$ 459.2, found; 459.3.

[Before UV-irradiation]





[After UV-irradiation]



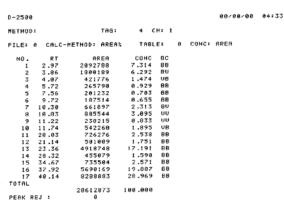


Figure S2. Peak areas of HPLC charts in Figure 2C. Reaction and HPLC conditions are shown in the footnote of Figure 2.