

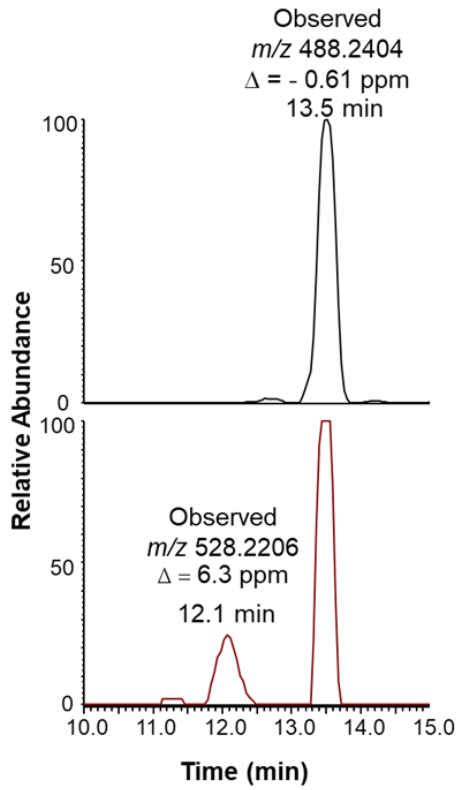
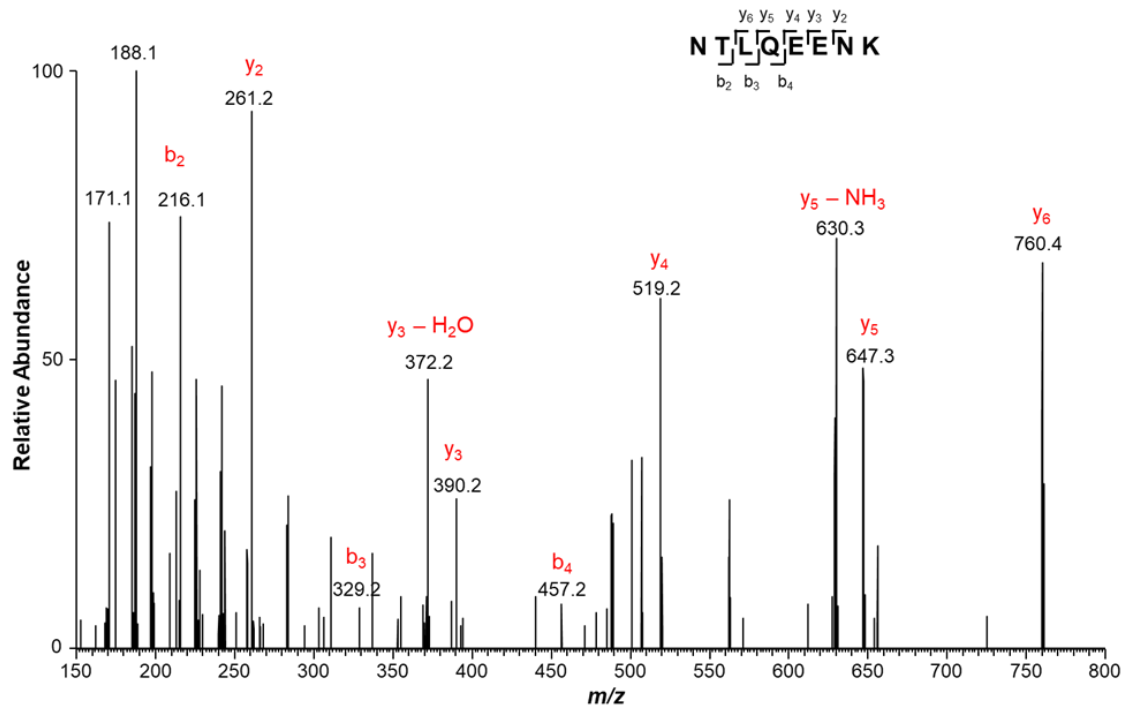
a**b**

Figure S3. LC-MS and MS/MS for the identification of the unmodified CtIP peptide, NTLQEENK and the same peptide with Thr¹²⁶ being phosphorylated from the irradiated sample. **a** Selected-ion chromatogram for the $[M + 2H]^{2+}$ ions of the unphosphorylated (top, calculated m/z 488.2407) and phosphorylated (bottom, calculated m/z 528.2239) peptide NTLQEENK. **b** Tandem mass spectrum (MS/MS) of the ESI-produced $[M+2H]^{2+}$ ion of the unphosphorylated peptide NTLQEENK. The spectrum was acquired by LC-MS/MS in the data-dependent acquisition mode on a QE Plus quadrupole-Orbitrap mass spectrometer.