



**Figure S2.** Purity certification by high performance liquid chromatography and mass spectrometry values for the synthetic peptides, H3DP1 (A), H3DP2 (B), H3DP3 (C), and H3DP4 (D). The peptides were chromatographed on an (4.6 × 250 mm) Inertsil ODS-SP column (GL Science, Tokyo) with a 1.0 mL/min flow rate. The gradient conditions of solvents A (0.1% trifluoroacetic acid in 100% acetonitrile) and B (0.1% trifluoroacetic acid in 100% water) are shown in the squares in each panel. Calculated molecular weight (MW) was determined by the supplier (GL Biochem) using mass spectrometry.