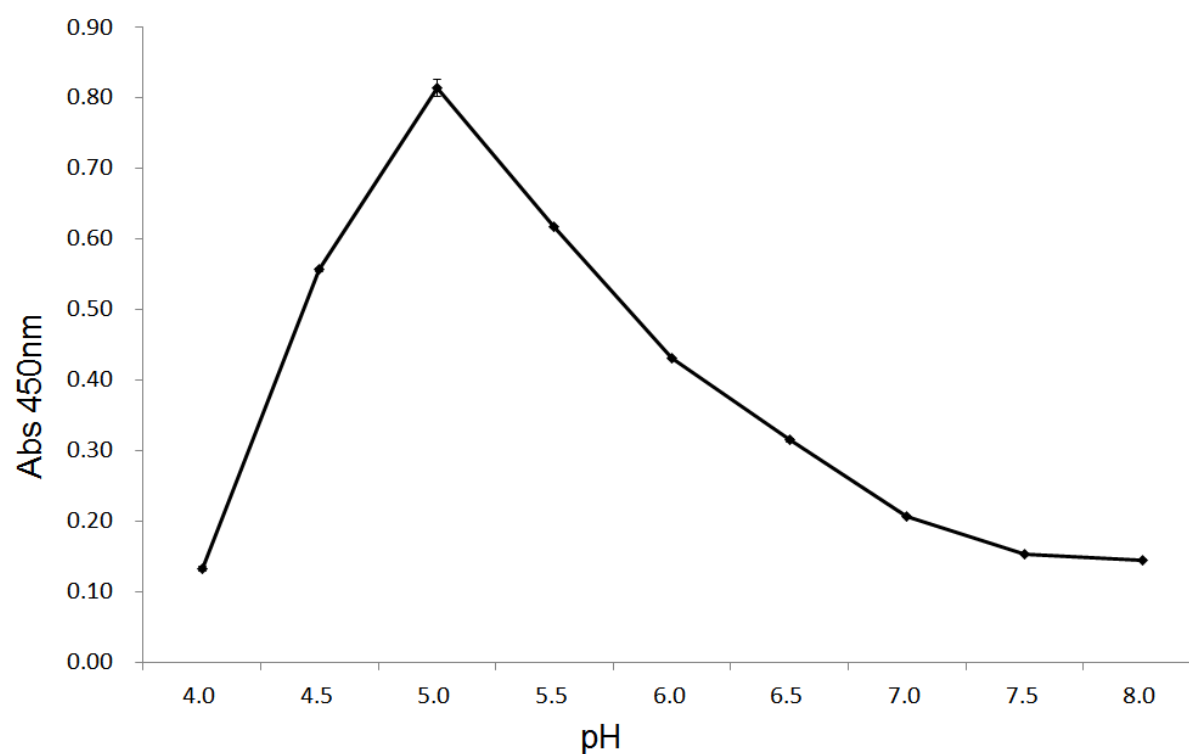
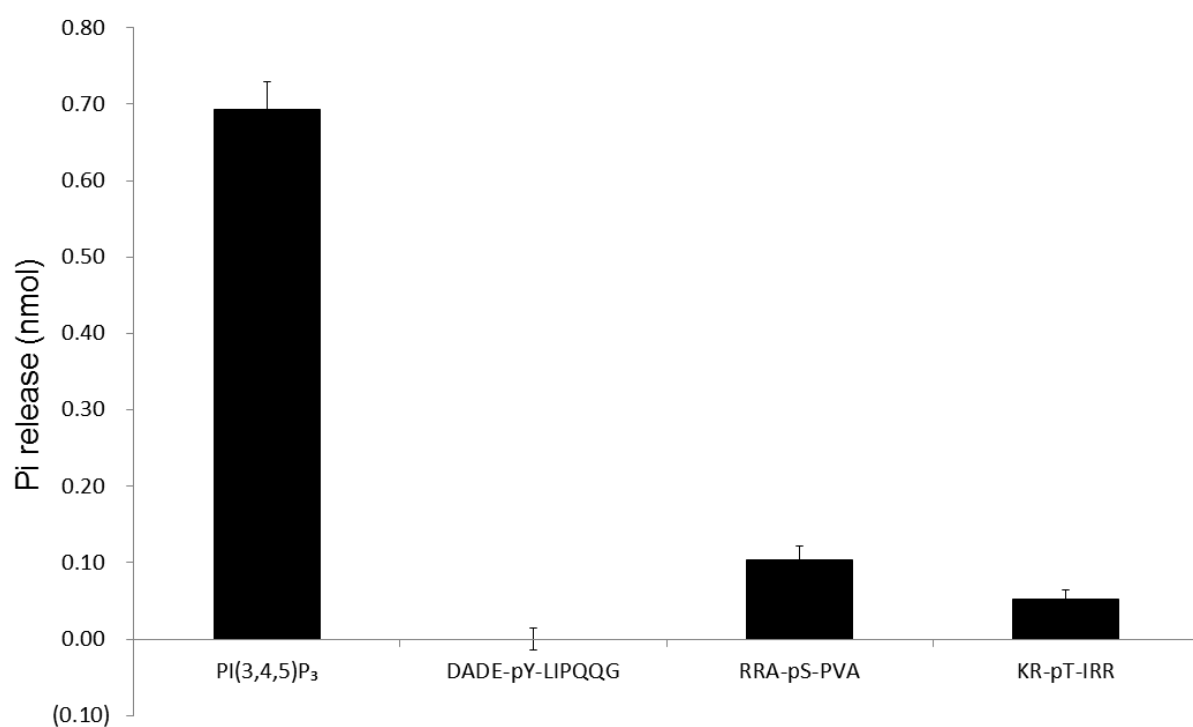


## Supplementary Material



**Supplementary Figure 1.** pH dependence of PTPRQ catalytic activity determined using pNPP as a substrate. PTPRQ-C (3  $\mu$ g) was incubated in reaction buffer containing each substrate for 1 h at 25°C.



**Supplementary Figure 2.** Phosphatase activity toward PI(3,4,5)P<sub>2</sub> and pSer-, pThr-, and pTyr-containing peptides. PTPRQ-C (3  $\mu$ g) was incubated in reaction buffer containing each substrate for 1 h at 37°C.

