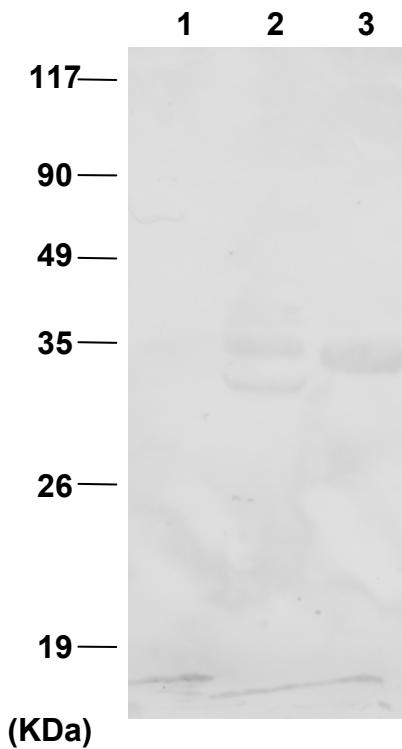


**Fig. S1 Alignment of deduced amino acids of NADKs from various organisms.** AtNADK-3 (NP\_564145), Human NADK (NP\_075394), Pos5P (NP\_015136), YfjB (NP\_417105), Slr0400 (NP\_441852) and SII1415 (NP\_441342) are from *Arabidopsis thaliana*, *Homo sapiens*, *Saccharomyces cerevisiae*, *Escherichia coli* and *Synechocystis* sp. PCC 6803 respectively. Identical residues are indicated in black boxes, and similar residues are in gray boxes. GGDG, NE/D and the conserved region II of NADK are marked with dotted-line rectangles



**Fig. S2 Western blot analysis of the expression of NADKs in *E. coli*.** Total soluble proteins of *E. coli* BL21(DE3) carrying pET21b (lane 1), pHB3049 (lane 2) and pHB2966 (lane 3) with monoclonal antibody against 6His.tag (Cell signaling technology, USA) and visualized with NBT/BCIP(Invitrogen, USA). Plasmids pHB3049 and pHB2966 were used for expression of recombinant Slr0400 and SII1415 respectively.