Supplementary Fig. 2. **Cdk5 is directly phosphorylated by EphA4.**
(a) GST-Cdk5 protein is phosphorylated by recombinant EphA4 *in vitro*. The reaction mixture was subjected to SDS-PAGE and Western blot analysis using specific P-Cdc2 (Tyr15) antibody. (b) EphA4 enhances Cdk5 kinase activity *in vitro*. Cdk5.p35 proteins were pre-incubated with increasing amount of recombinant EphA4, and Cdk5 activity was subsequently analyzed by *in vitro* kinase assay using histone H1 peptide as the substrate.