Figure S1

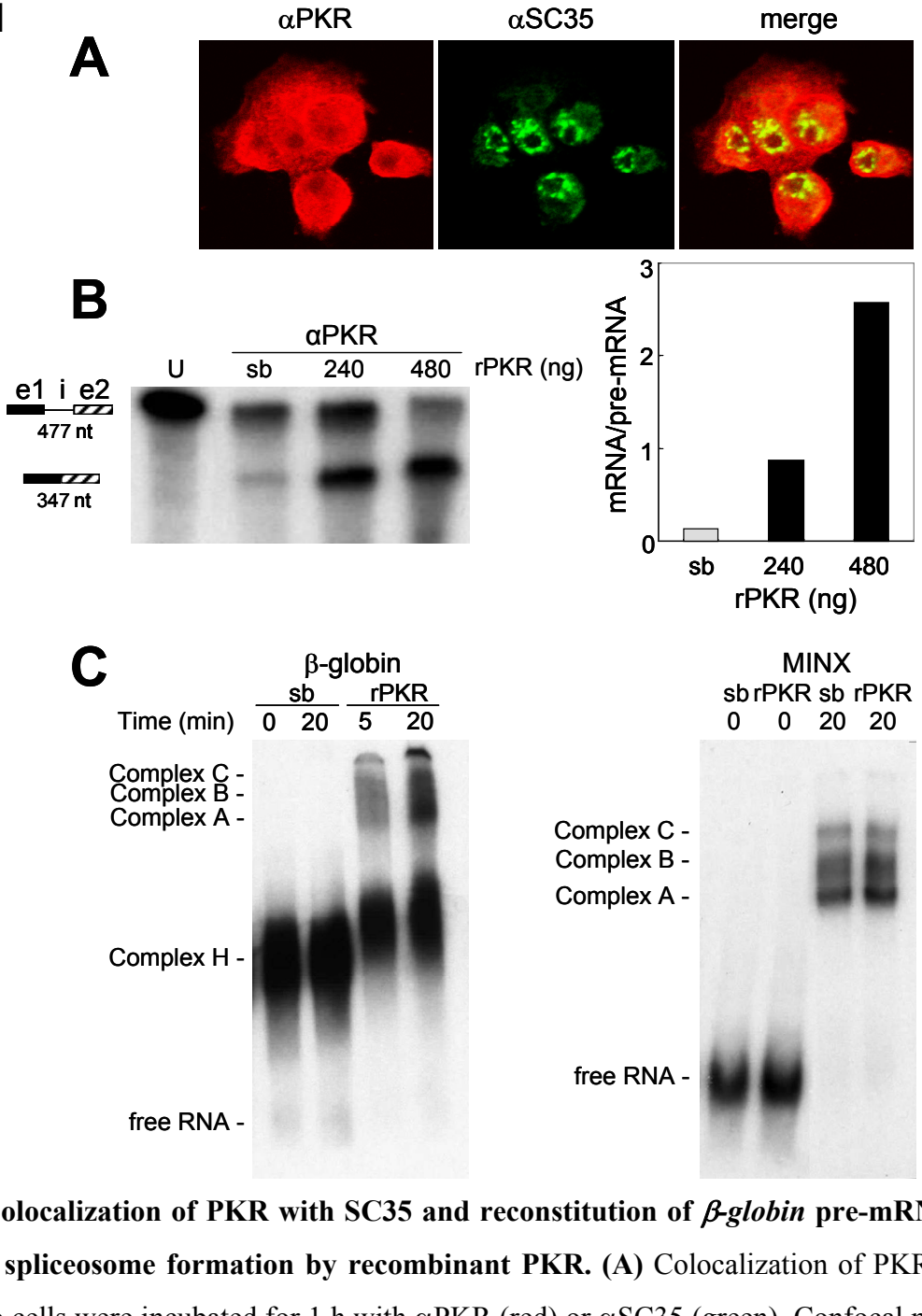

Figure S1. Colocalization of PKR with SC35 and reconstitution of *β-globin* pre-mRNA template splicing and spliceosome formation by recombinant PKR. (A) Colocalization of PKR with SC35. Monkey Vero cells were incubated for 1 h with αPKR (red) or αSC35 (green). Confocal microscopy is shown. Merge (yellow) shows PKR and SC35 in nuclear speckles. **(B)** Reconstitution of *β-globin* pre-mRNA template splicing by recombinant PKR. Nuclear extract was made 500 mM in NaCl and after incubation for 18 h at 4°C with αPKR Ab, the immunoprecipitate was removed using protein A/G Sepharose beads. The depleted extract was dialyzed before in vitro splicing was performed for 2 h as for Figure 3C, with rPKR or storage buffer (sb) added as shown; mRNA/pre-mRNA ratio is plotted on the right. U, input unspliced RNA. **(C)** Reconstitution of spliceosome formation on *β-globin* pre-mRNA template by recombinant PKR. Formation of spliceosomes was assayed as in Figure 3F, using extract depleted and dialyzed as in **B**, adding 260 ng rPKR where indicated. Panel on right shows *MINX* RNA, assayed in parallel.