



Figure 1. Structures of Rsc4

(A) Domain organization of Rsc4 (top) and crystallized constructs (bottom). Rsc4 structure is the following: bromodomain 1 (cyan), bromodomain 2 (blue), wing insertion (orange), and the binding region for RSC and the RNA polymerases (green) (Kasten et al., 2004; Soutourina et al., 2006). First and last ordered residues in the crystallized constructs are indicated with arrows. Acetylated lysine residues are indicated with a magenta dot (K14 of H3 and K25 of Rsc4).

(B) Orthogonal views of Rsc4(36–340) ribbon diagram. Secondary structures are labeled, and termini are indicated N and C. The asparagine and two tyrosine side chains from each bromodomain that are important for acetyl lysine binding are colored yellow. The wing insertion is colored orange.

(C) Rsc4 amino acid sequence with secondary structures indicated above. Residues not ordered in the Rsc4(36–340) structure are indicated with a dashed line. The red squares indicate interface residues between BD1 (residues 36–162) and BD2 (residues 163–320). The magenta circle indicates the site of acetylation (K25).