**Supplementary Figure 1: Overexpression and purification of RcnB**

A- Overexpression control, crude extracts of BL21 x pETRCB were loaded on a 15% Tris-Tricine SDS-PAGE, after 0, 2 or 4 h of IPTG induction; MW: molecular weight marker. The precursor form RcnBp (12 kDa) or mature form RcnBm (10 kDa) are indicated.

B- Elutogram obtained during the purification of the crude extract on the HiTrap Phenyl column using a decreasing ammonium sulphate gradient. The blue curve represents $A_{280nm}$ and the red curve conductivity.

C- SDS-PAGE analysis of the fractions. Lane T: Total extract, fractions are numbered according to their elution volume. Fraction 11 containing RcnB (yellow shading on Fig. 1B) was subsequently dialyzed to remove salts.

D- Second step purification. Elutogram obtained during the purification of fraction 11 on the Uno-Q1 column using an increasing sodium chloride gradient. E- SDS-PAGE analysis of the elution fractions. 0: void volume, 1-2: fractions corresponding to the non-retained proteins, the only protein visible is RcnB.