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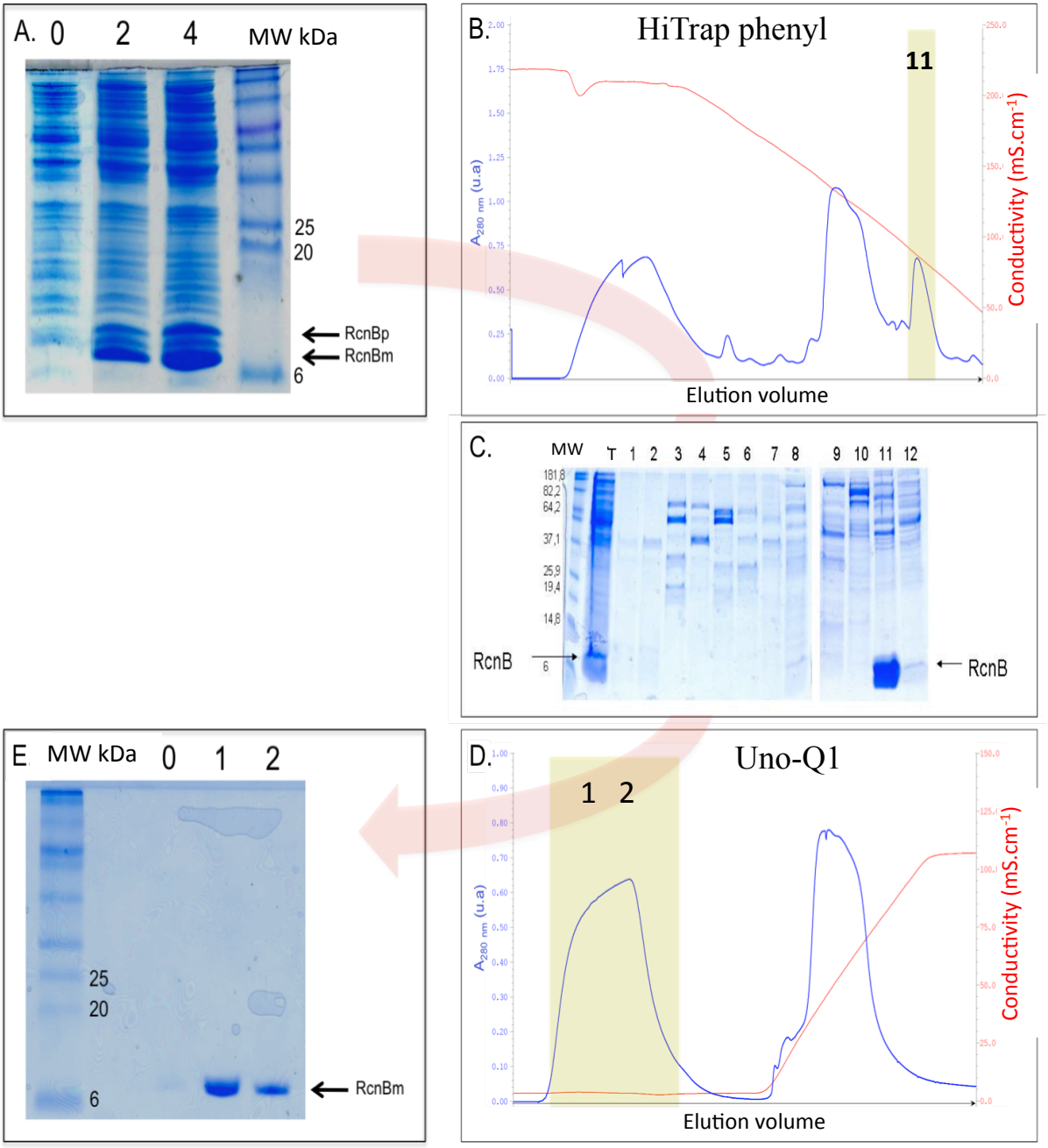

Supplementary Figure 1 : Overexpression and purification of RcnB

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 .