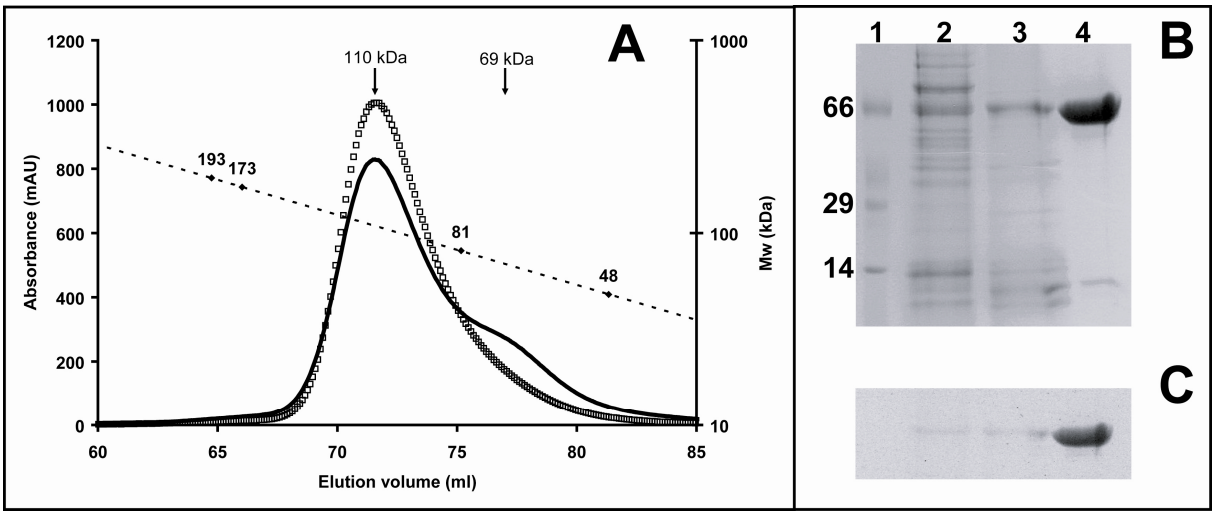
## Supplementary Material




## Supplementary Figure 1

**(A)** Size-exclusion chromatography (HiLoad 16/60 prep grade Superdex 200 column; GE Healthcare) of Cph1Δ2 in the Pr state recorded at 280 (-) and 660 nm (□). Dotted line: column calibration with marker proteins (kDa). **(B)** SDS-PAGE gel after Coomassie staining, **(C)** SDS-PAGE gel demonstrating zinc acetate fluorescence of the supernatant after cell lysis (2), after $Ni^{2+}$ affinity chromatography (3) and after SEC (4). Molecular weight markers are indicated in (1).

## Supplementary Table 1

**Data collection for Cph1Δ2 crystals**

| **Data processing** | **blue light & glycerol** | **IR & cryo salts** |
|---|---|---|
| Beamline | X-13, EMBL, Hamburg | ID14-3, ESRF, Grenoble |
| Wavelength (Å) | 0.8015 | 0.9330 |
| Detector | MAR CCD 165 mm | ADSC Q4 CCD |
| Space group | $P4_32_12$ | $P4_32_12$ |
| *a,* b, c (Å) | 75.69, 75.69, 246.58 | 77.18, 77.18, 249.00 |
| Maximal resolution (Å) | 3.15 x 3.15 x 2.8 | 2.70 x 2.70 x 2.20 |
| Total reflections | 76347 | 183551 |
| Unique reflections | 14707 | 26369 |
| Completeness [a] | 0.789 (0.166); 0.976 | 0.672 (0.067); 0.985 |
| $\langle I \rangle / \sigma\langle I \rangle$ [a] | 16.5 (3.8) | 23.0 (3.5) |
| $R_{merge}$ [b] | 0.072 (0.324) | 0.049 (0.361) |
| Mosaicity (°) | 0.42 | 0.35 |
| Wilson *B*-factor (Å$^2$) | 56.6 | 17.3 |

[a] Values in parentheses correspond to the highest resolution shell; 2nd completeness corresponds to range 25-3.15 Å and 25-2.70 Å, respectively.

[b] $R_{merge} = \Sigma_{hkl} \Sigma_i \ (I_i(hkl) - \langle I(hkl) \rangle) / \Sigma_{hkl} \Sigma_i I_i(hkl)$.