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Title	A split luciferase-based reporter for detection of a cellular macromolecular complex
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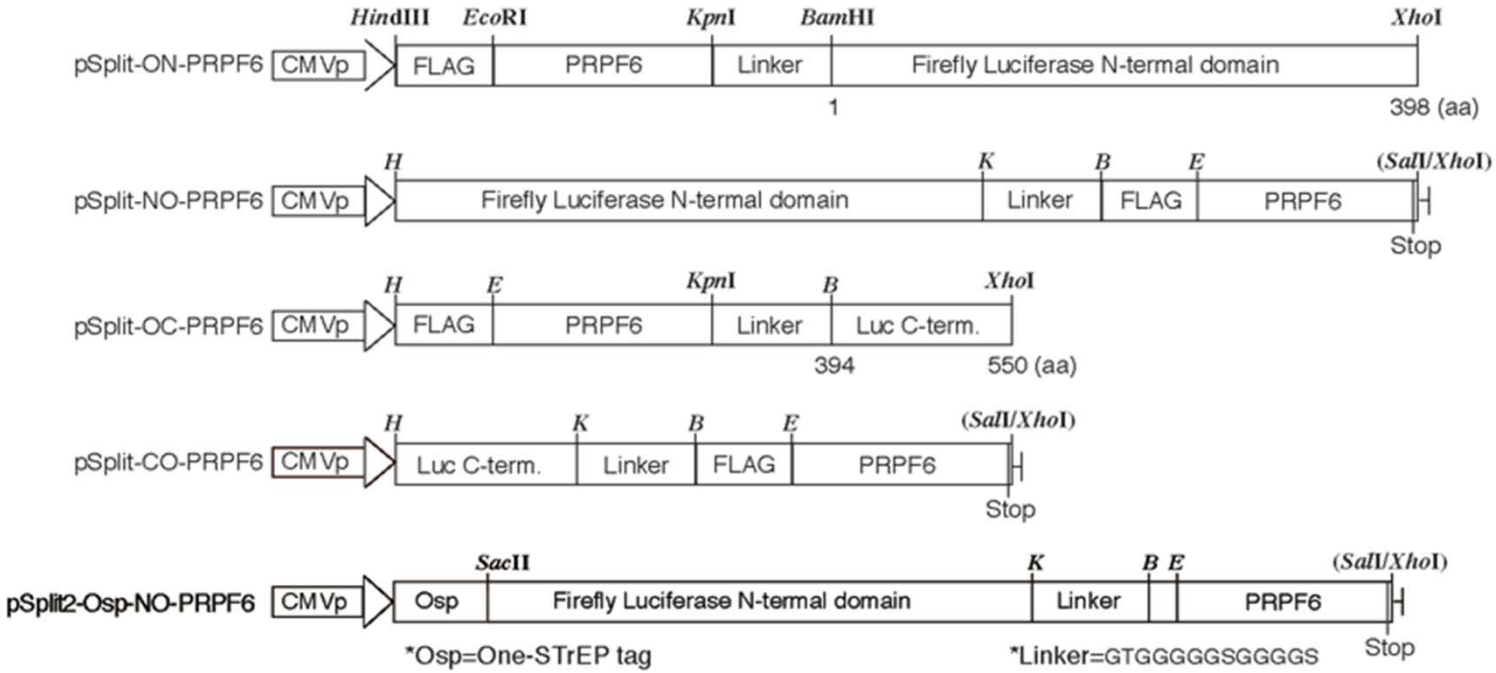
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Supplementary Fig. 1 Schematic structure of split-luciferase reporters containing PRPF6.

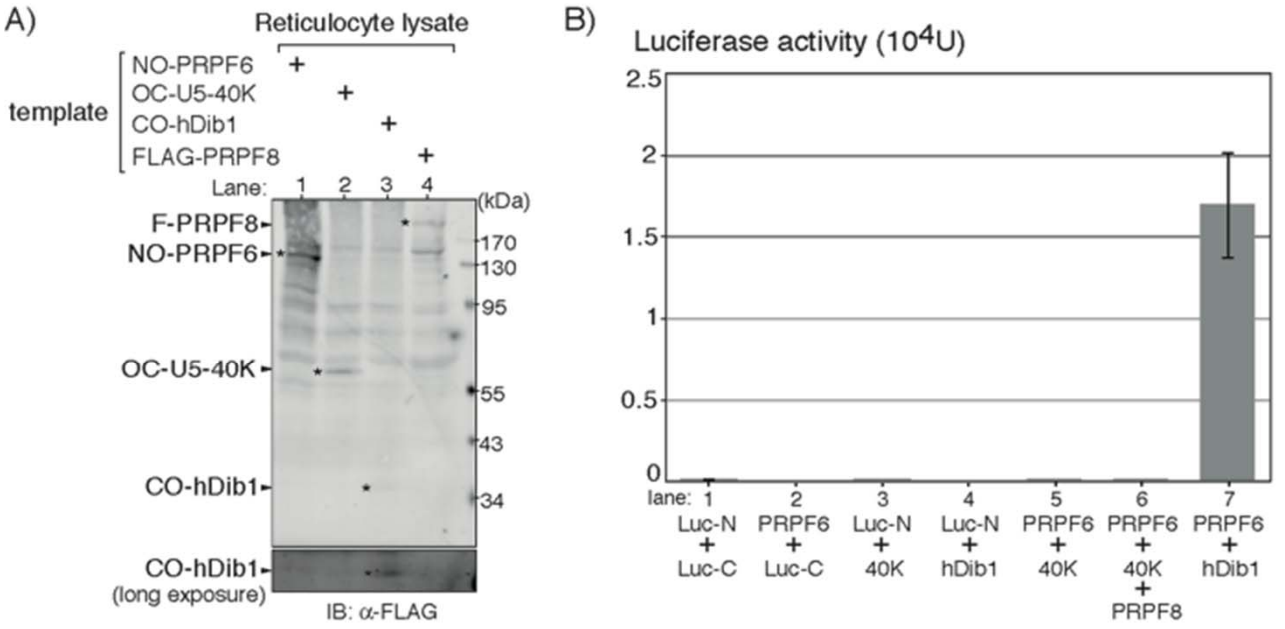
Supplementary Fig. 2 (A) To confirm protein expression of in vitro-synthesized proteins used in (B), synthesized proteins were separated using SDS-PAGE and detected by western blotting. (A) Reporter proteins that were positive in transient transfection assays were synthesized in vitro and mixed to determine their ability to reconstitute luciferase activity in vitro.

Supplementary Fig. 3 (A) Hygromycin-resistant stable transfectants of the reporter plasmids were selected, and analyzed for luciferase activity. (B) Luciferase activity and reporter-protein expression (NO-PRPF6 and OC-U5-40K) of four clones were determined after cyclohexamide treatment.

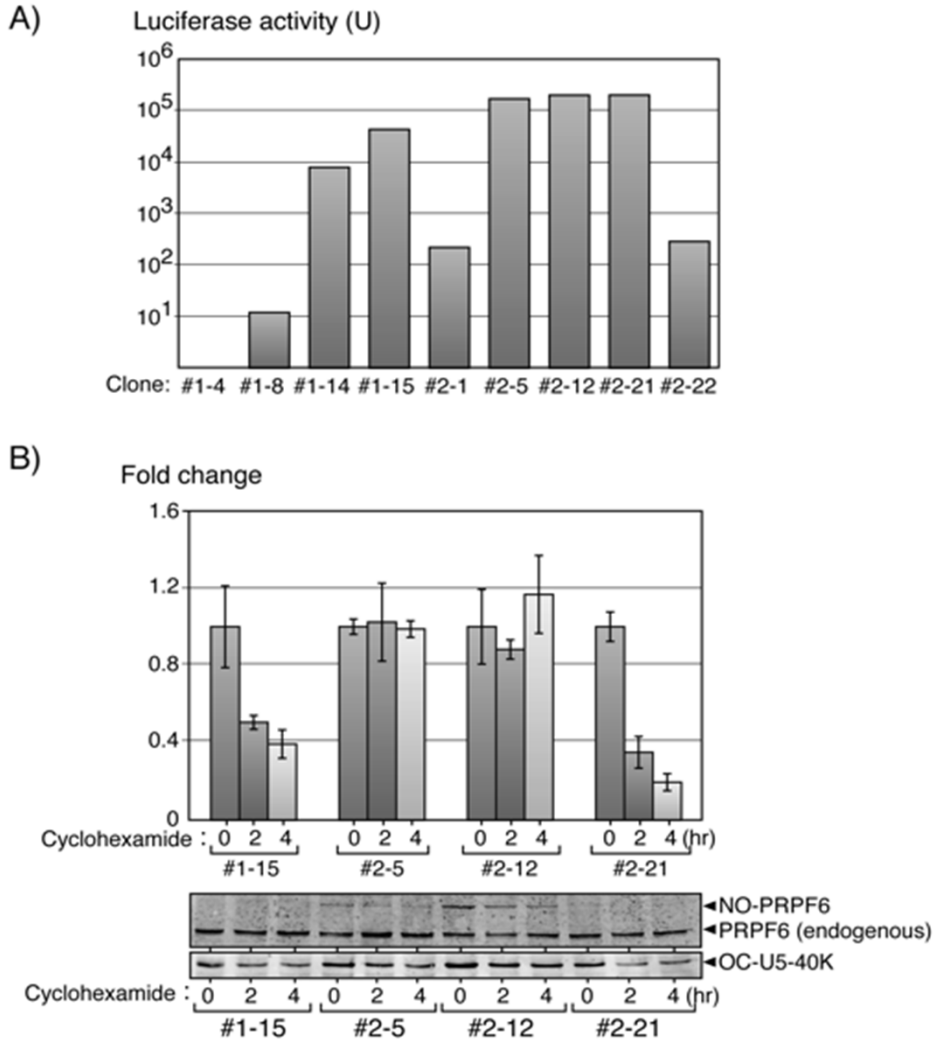
Supplementary Fig. 4 Proteins in the affinity-purified reporter complex were resolved using SDS-PAGE and detected by silver staining. OC-U5-40K (lane 1) was bound to StrepTactin Sepharose using the One-STrEP tag, and NO-PRPF6 was immunoprecipitated by an anti-FLAG antibody (lane 2) from the whole cell extract prepared from cells stably transfected with the reporter transfectant expression vector. The protein obtained using the sequential two-step affinity purification using both anti-FLAG antibody and StrepTactin Sepharose is shown in lane 3.



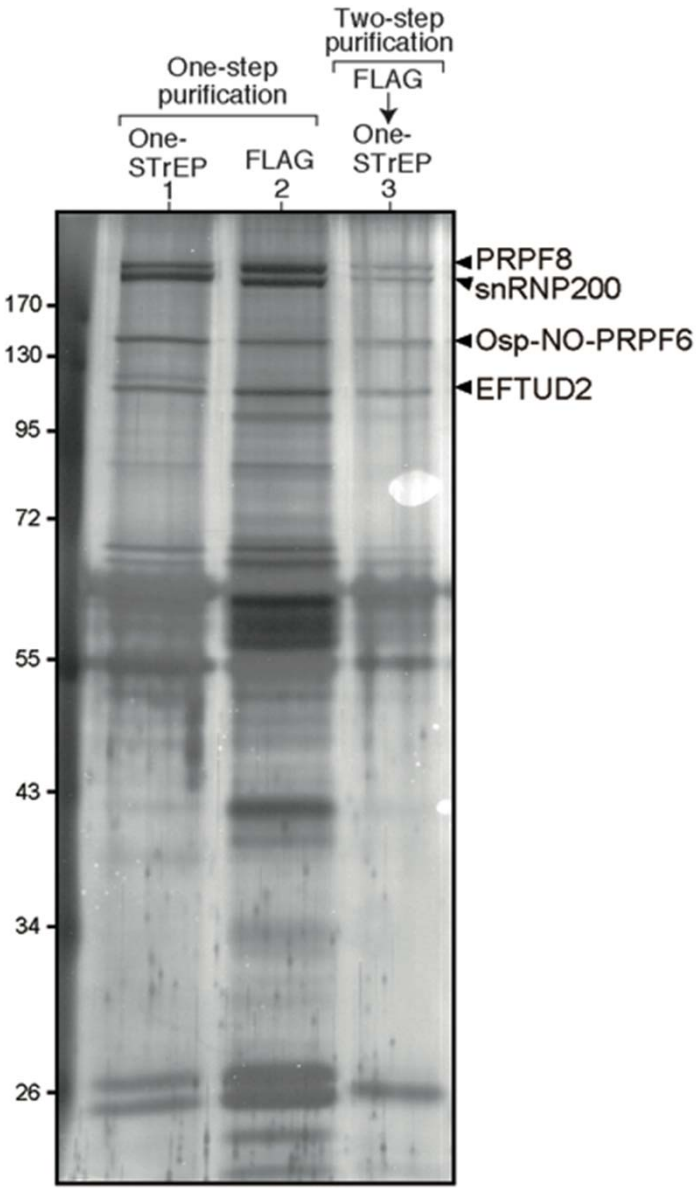
Supplementary Fig. 1



Supplementary Fig. 2



Supplementary Fig. 3



Supplementary Fig. 4