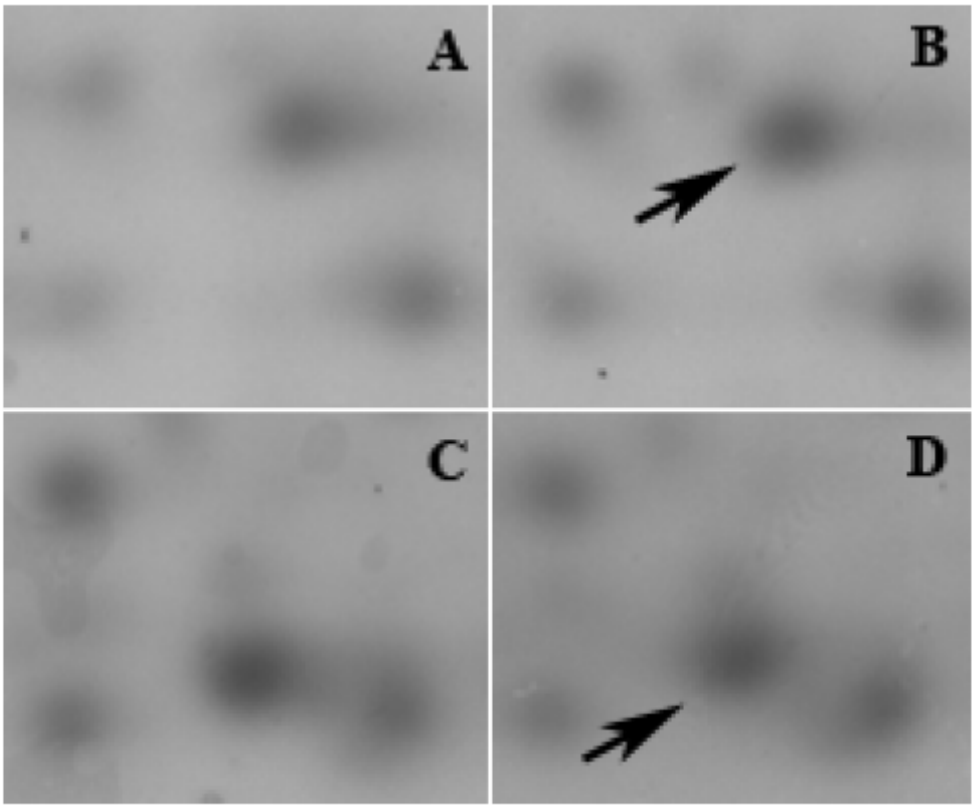
Supplement information:

Fig. 8. Doxycycline-induced post-translational modification of elfin protein. The magnified inserts of Coomassie stained 2-DE gels represent HEK 293 cells transfected with pBI-PRNP-EGFP vector (panel A) or pBI-DsRed-EGFP vector (panel B) in the absence of Dox. The protein spot identified as elfin is indicated by arrows in panels B and D. Note no apparent difference in molecular weight of elfin between panels A and B whereas a prominent descend of elfin's molecular weight is clearly visible in the inserts of 2-DE gels representing HEK 293 cells transfected with pBI-PRNP-EGFP vector (panel C) and pBI-DsRed-EGFP vector (panel D) in the presence of 1µg/ml of Dox. Our experimental conditions suggest that the observed mobility shift of elfin is solely an effect of Dox. The location of elfin (spot number 113.) on 2-DE gel is shown in Figure 2A.

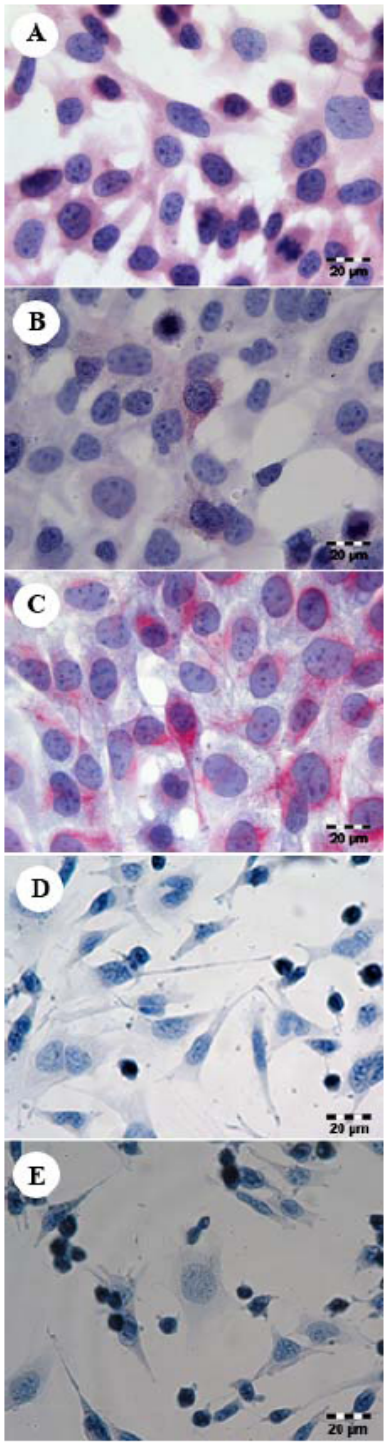
Fig. 9. Expression of cell type specific markers in $Prnp^{0/0}$ cell line. Immunocytochemical characterization of $Prnp^{0/0}$ cell line using anti-synaptophysin (panel A), anti-NF 200 kDa (panel B), anti-nestin (panel C), anti-vimentin (panel D) and anti-GFAP (panel E) antibody. Synaptophysin immunostaining resulted in a strong positive reaction whereas expression of NF-200 kDa was comparably weak. A further neuronal marker, nestin, which is highly expressed during development gave a moderate signal suggesting that $Prnp^{0/0}$ cells have neuronal origin but are not yet fully differentiated. In addition, vimentin and GFAP, markers of mesenchymal and glial origin, gave no signal.

Fig. 10. Western blot analysis of Anxa V after constitutive overexpression of PrP^c in HEK 293 cells. Upper panel: Anxa V regulation after transient transfection of HEK 293 cells either with control pCMS-EGFP (lane 1) or pCMS-PRNP-EGFP constitutive expression vector (lane 2). Note a marked PrP^c-induced up-regulation of Anxa V (lane 2) as compared to the control (lane 1). Lower panel: ß-actin expression as a control for an equal protein load. Both lanes were loaded with 10 µg of proteins. This Western blot is representative of three different experiments.

Supporting Information Figure 8



Supporting Information Figure 9



Supporting Information Figure 10