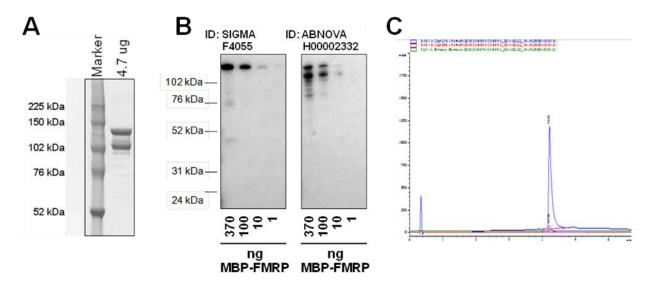
Supplementary Figures

Supplementary Figure 1



Supplementary Figure 1: Purification and characterization of recombinant MBP-FMRP protein

A) Bacterial expressed MBP-FMRP protein was analysed by coomassie blue staining on a SDS-PAGE gel. Two main bands are visible after pooling fractions eluted from a MBP-Trap HP column. B) MBP-FMRP protein analysed by immunoblot with C-terminal anti-FMRP (Sigma) and N-terminal anti-FMRP (Abnova). Both main bands identified via coomassie gel represent purified recombinant FMRP protein with the lower band being a proteolytic N-terminal fragment only detectable by the N-terminal antibody. C) HPLC analysis of protein verifies high purity of the recombinant FMRP isolated from bacterial cultures.