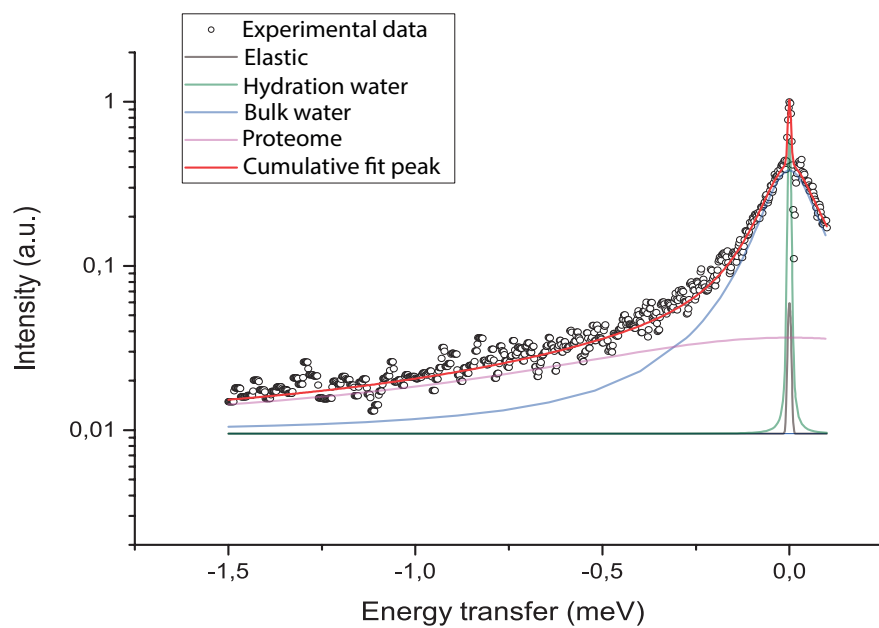


a



b

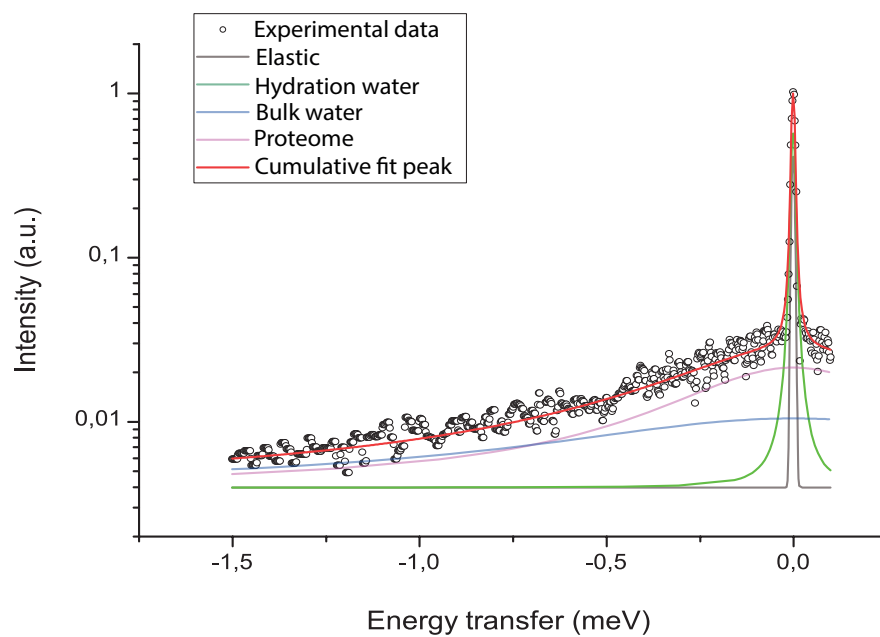


Figure S5. Normalized QENS spectra and fit for Tba_MG at 358 K, 0.1 MPa, $Q = 0.46 \text{ \AA}^{-1}$ (a) and $Q = 0.96 \text{ \AA}^{-1}$ (b) on a semi-logarithmic scale.