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Aggregation properties of a disordered protein are tunable by pH and depend on its net charge per residue

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Keywords: IDPs, isoelectric point, NCPR, protein solubility, protein aggregation.

Abbreviations

ATR: attenuated total reflection

CD: Circular dichroism (spectroscopy)

FTIR: Fourier transform infrared (spectroscopy)

GFP: green fluorescent protein

IMAC: immobilized-metal affinity chromatography

IDPs: intrinsically disordered proteins FCR: fraction of charged residue NCPR: net charge per residue

PB: phosphate buffer

PNT: N-terminus moiety of measles virus phosphoprotein

pI: isoelectric point RC: random coil

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