Materials List for:

**Structural Studies of Macromolecules in Solution using Small Angle X-Ray Scattering**

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URL: [https://www.jove.com/video/58538](https://www.jove.com/video/58538)

DOI: [doi:10.3791/58538](https://doi.org/10.3791/58538)

### Materials

<table>
<thead>
<tr>
<th>Name</th>
<th>Company</th>
<th>Catalog Number</th>
<th>Comments</th>
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<tbody>
<tr>
<td>HEK 293 EBNA Cell Line</td>
<td>In-Lab availability</td>
<td>-</td>
<td>Cell line used to overexpress protein(s)</td>
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<tr>
<td>Ni Sepharose High Performance histidine-tagged protein purification resin</td>
<td>GE Healthcare</td>
<td>17524801</td>
<td>Affinity protein purification resin</td>
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<td>Superdex 200 Increase 10/300</td>
<td>GE Healthcare</td>
<td>28990944</td>
<td>SEC Column</td>
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<tr>
<td>ÄKTA Pure FPLC</td>
<td>GE Healthcare</td>
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<td>FPLC System</td>
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<tr>
<td>Nanodrop</td>
<td>Nanodrop</td>
<td>-</td>
<td>Spectrophotometer</td>
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<tr>
<td>Basic Reagents (NaCl, Tris-HCl etc.)</td>
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<tr>
<td>S-MAX3000</td>
<td>Rigaku</td>
<td>-</td>
<td>SAXS Pinhole Camera System</td>
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<td>Malvern Instruments Ltd</td>
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<td>Dynamic Light Scattering instrument</td>
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<tr>
<td>0.1µm Filter</td>
<td>Millipore</td>
<td>JVWP04700</td>
<td>Used to Concentrate Sample Prior to DLS</td>
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<td>Thrombin cleavage kit</td>
<td>abcam</td>
<td>ab207000</td>
<td>Thrombin cleavage to remove His tag</td>
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<td>Strep-Tactin Sepharose Column</td>
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<td>D-desthiobiotin</td>
<td>Sigma-Aldrich</td>
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### Software

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<tr>
<td>SAXGUI</td>
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<td>ATSAS Suit</td>
<td>Franke et al., 2017</td>
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<td>DAMAVER</td>
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<td>MONSA</td>
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<td>The PyMOL Molecular Graphics System V2.0</td>
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