# Materials List for: Using In Vitro and In-cell SHAPE to Investigate Small Molecule Induced Pre-mRNA Structural Changes

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## Materials

<table>
<thead>
<tr>
<th>Name</th>
<th>Company</th>
<th>Catalog Number</th>
<th>Comments</th>
</tr>
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<tbody>
<tr>
<td>DNA oligonucleotide</td>
<td>IDT</td>
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<td>gBlock for &gt;200 bp DNA synthesis</td>
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<tr>
<td>Phusion Green Hot Start II High-Fidelity PCR Master Mix</td>
<td>Thermo Fisher</td>
<td>F566S</td>
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<tr>
<td>NucleoSpin gel and PCR clean-up kit</td>
<td>Takara</td>
<td>740609.50</td>
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<tr>
<td>MegaScript T7 transcription kit</td>
<td>Thermo Fisher</td>
<td>AM1333</td>
<td>Contains 10X reaction buffer, T7 enzyme, NTP and Turbo DNase</td>
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<td>DEPC-treated water</td>
<td>Thermo Fisher</td>
<td>750023</td>
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<td>2X TBE-urea sample buffer</td>
<td>Thermo Fisher</td>
<td>LC6876</td>
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<td>40% acrylamide/ bisacrylamide solution (29:1)</td>
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<td>10X TBE buffer</td>
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<td>Nalgene Rapid-Flow™ Filter Unit</td>
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<td>Kimwipe</td>
<td>Kimberly-Clark</td>
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<td>TEMED</td>
<td>Thermo Fisher</td>
<td>17919</td>
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<td>SYBR-Safe dye</td>
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<td>6 % TBE-urea mini-gel</td>
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<td>GE Healthcare</td>
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<td>NAI (2M)</td>
<td>EMD Millipore</td>
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<td>Pen-Strep</td>
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<td>FuGene HD</td>
<td>Promega</td>
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<td>Thermo Fisher</td>
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<td>DPBS without Ca/ Mg</td>
<td>Thermo Fisher</td>
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<td>Also contains RW1, RPE buffer</td>
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<td>Contains DNase I and RDD buffer</td>
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<td>MnCl2•4H2O</td>
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