Cost Recovery Schedule for Peptide Synthesis

Protein Chemistry Technology Center

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1. Small Scale (5-20 residues)

<table>
<thead>
<tr>
<th>Scale</th>
<th>Crude (&gt;70% purity)</th>
<th>HPLC Purified (~90%+ purity)</th>
</tr>
</thead>
<tbody>
<tr>
<td>25 μmol</td>
<td>$265 (5-30 mg)</td>
<td>$595 (1-10 mg)</td>
</tr>
<tr>
<td></td>
<td>+ $20/res (21-25 residues)</td>
<td></td>
</tr>
<tr>
<td>50 μmol</td>
<td>$395 (10-60 mg)</td>
<td>$720 (2-20 mg)</td>
</tr>
<tr>
<td></td>
<td>+ $26/res (21-25 residues)</td>
<td></td>
</tr>
<tr>
<td>100 μmol</td>
<td>$660 (20-120 mg)</td>
<td>$1055 (4-40 mg)</td>
</tr>
<tr>
<td></td>
<td>+ $42/res (21-25 residues)</td>
<td></td>
</tr>
<tr>
<td>100 μmol</td>
<td>TBD</td>
<td>$1055 + $42/res (4-40 mg)</td>
</tr>
<tr>
<td>(26-40 residues)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>250 μmol</td>
<td>$1055 (50-300 mg)</td>
<td>$1380 (20-120 mg)</td>
</tr>
<tr>
<td></td>
<td>+ $60/res (21-51 residues)</td>
<td></td>
</tr>
</tbody>
</table>

All peptides will be accompanied by analytical RP-HPLC chromatogram and mass spectrometry analyses using either MALDI-TOF (no charge) or ESI-MS ($30/sample charge).

N.B. Crude peptides are about 70%+ pure unless they are more complicated sequences to synthesize. In which case RP-HPLC may be required.
2. Peptide Modifications (cost per residue)

<table>
<thead>
<tr>
<th>Modification</th>
<th>Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>25/50 μmol</td>
</tr>
<tr>
<td>N-terminal acetylation</td>
<td></td>
</tr>
<tr>
<td>C-terminal amidation</td>
<td></td>
</tr>
<tr>
<td>phosphoserine, threonine,</td>
<td>$130</td>
</tr>
<tr>
<td>or tyrosine</td>
<td></td>
</tr>
<tr>
<td>N-terminal biotinylation</td>
<td>$40</td>
</tr>
<tr>
<td>Lys-Biotin (Biocytin)</td>
<td>$130</td>
</tr>
<tr>
<td>Fluorescein</td>
<td>$70</td>
</tr>
<tr>
<td>Rhodamine</td>
<td>$180/335</td>
</tr>
<tr>
<td>Asymmetric Dimethyl-Arg</td>
<td>$90</td>
</tr>
<tr>
<td>Non-radioactive isotopes</td>
<td>actual cost of labeled Fmoc amino acid</td>
</tr>
<tr>
<td>D-amino acids</td>
<td>TBD</td>
</tr>
<tr>
<td>Other special requests</td>
<td>call for pricing and availability</td>
</tr>
</tbody>
</table>