

## Risk-Free Guaranteed Recombinant Protein Packages #PE2001 (E.coli)

**Risk-Free: No Protein, No Charge (applicable to 11-80KDa non-complex proteins)**  
**High Success Rate >95% | Guaranteed Protein Quantity & Purity | Free Gene Synthesis & Cloning | No Setup Fee**

Biomatik has been proudly serving 10,000+ scientists since 2002. In addition to our catalog products, Biomatik has delivered 52,000+ custom made products to our researchers worldwide. Please view some of the well respected publications citing our fine products at [Google Scholar](#).

Risk-free Protein Packages	Service Contents	Standard Deliverables
<p><b>#PE2001-E, Guaranteed <i>E. coli</i> Protein Package</b>            (from gene synthesis to protein purification)</p> <p><b>Tag option:</b> His-tagged            Purity: 85% /90% /95%            Quantity: 1mg /3mg /5mg/10mg /15mg / 20mg /30mg</p> <p>Optional: GST tag &amp; Strep tag            Optional: Endotoxin removal or Antibody production</p>	<p><b>Phase I: Gene Synthesis &amp; Cloning</b></p> <ul style="list-style-type: none"> <li>- Codon optimization and Gene synthesis</li> <li>- Sub-cloning into expression vectors</li> <li>- Plasmid preparation</li> </ul> <p><b>Phase II: Protein Expression &amp; Purification from <i>E. coli</i></b></p> <ul style="list-style-type: none"> <li>- Pilot expression optimization</li> <li>- Scale up expression</li> <li>- Purification (affinity purification)</li> <li>- QC by SDS-PAGE &amp; WB</li> </ul>	<ul style="list-style-type: none"> <li>- Protein at the requested purity &amp; quantity</li> <li>- 4ug DNA with gene in a cloning vector</li> <li>- CoA: SDS-PAGE &amp; WB data</li> </ul> <p><b>Estimated Turnaround Time: 6-8 weeks</b></p>
<p><b>#PE2001-E, Guaranteed <i>E. coli</i> Protein Package</b>            (from gene synthesis to protein purification)</p> <p><b>Tag option:</b> Tag-free ( through tag-free production)*            Purity: 85% /90% /95%            Quantity: 1mg /3mg /5mg/10mg /15mg / 20mg /30mg</p> <p>Optional: Endotoxin removal</p> <p><b>*Unlike traditional post-production tag removal, our tag-free protein production comes with two benefits:</b></p> <ol style="list-style-type: none"> <li>1. Ensures proper native folding.</li> <li>2. No trace of the affinity tag (no tag cleavages).</li> </ol>	<p><b>Phase I: Gene Synthesis &amp; Cloning</b></p> <ul style="list-style-type: none"> <li>- Codon optimization and Gene synthesis</li> <li>- Sub-cloning into expression vectors</li> <li>- Plasmid preparation</li> </ul> <p><b>Phase II: Protein Expression &amp; Purification from <i>E. coli</i></b></p> <ul style="list-style-type: none"> <li>- Pilot tag-free expression optimization</li> <li>- Scale up tag-free expression</li> <li>- Tag-free purification (SEC and ion exchange)</li> <li>- QC by SDS-PAGE &amp; MALDI-TOF (optional)</li> </ul>	<ul style="list-style-type: none"> <li>- Protein at the requested purity &amp; quantity</li> <li>- 4ug DNA with gene in a cloning vector</li> <li>- CoA: SDS-PAGE &amp; MALDI-TOF (optional)</li> </ul> <p><b>Estimated Turnaround Time: 6-9 weeks</b></p>

- If the expressed protein is insoluble (expressed as inclusion body), refolding will be attempted to make it soluble. Protein purity is determined by by SDS-PAGE, and quantity is determined by Bradford assay. Protein is delivered in neutral buffer (e.g. Tris or PBS) unless otherwise specified.
- Biomatik does not accept plasmid supplied by customer unless the plasmid has been proven to give good expression result. Biomatik does not guarantee bioactivity or functionality on custom made proteins. Biomatik does not guarantee 100% success rate in protein expression services. For any protein failed in production due to technical difficulties, customer may or may not be required to pay full or partial price - please refer to the quote for details. Customer shall accept and pay for any proteins which have been successfully produced.