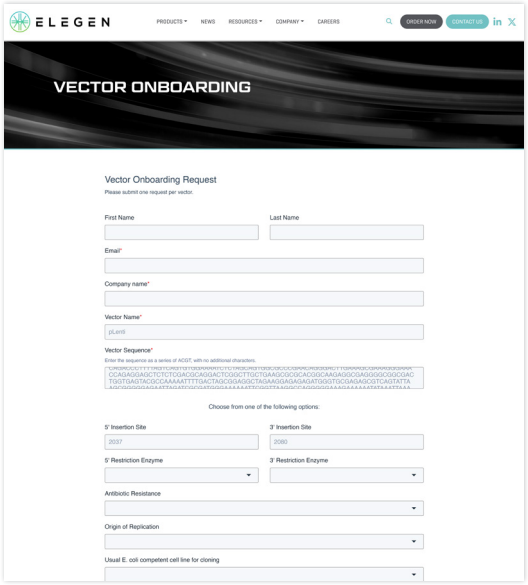
ENFINIA™ Plasmid DNA

Insertion Site Guide



1. To specify where to insert your ordered DNA sequences into each vector, please make sure to provide either the 5′ and 3′ insertion sites or the restriction enzymes you commonly use to linearize the backbone for restriction/ligation in the Vector Onboarding Form. The form can be found at: https://elegenbio.com/resources/resources-vector-onboarding-request/.

   The 5′ insertion site is defined as the position directly before the start of the insert sequence in the final construct. The 3′ insertion site is defined as the position in the vector backbone (parent vector) directly after the insert will end.

2. Upon receipt of your onboarding request, you will be provided a vector map, with an example insert sequence in your vector indicating the desired insertion positions. Work on your order will not start until approval is received.

An example is shown below:

- 5′ Insertion Site=2037
- 3′ Insertion Site=2080
- Elegen will synthesize and insert any sequences ordered using this parent vector between the 5′ and 3′ Insertion Sites above, replacing any sequence in between them.