

Because genetic engineering is diverse and sophisticated, e-Zyvec also assists you with:

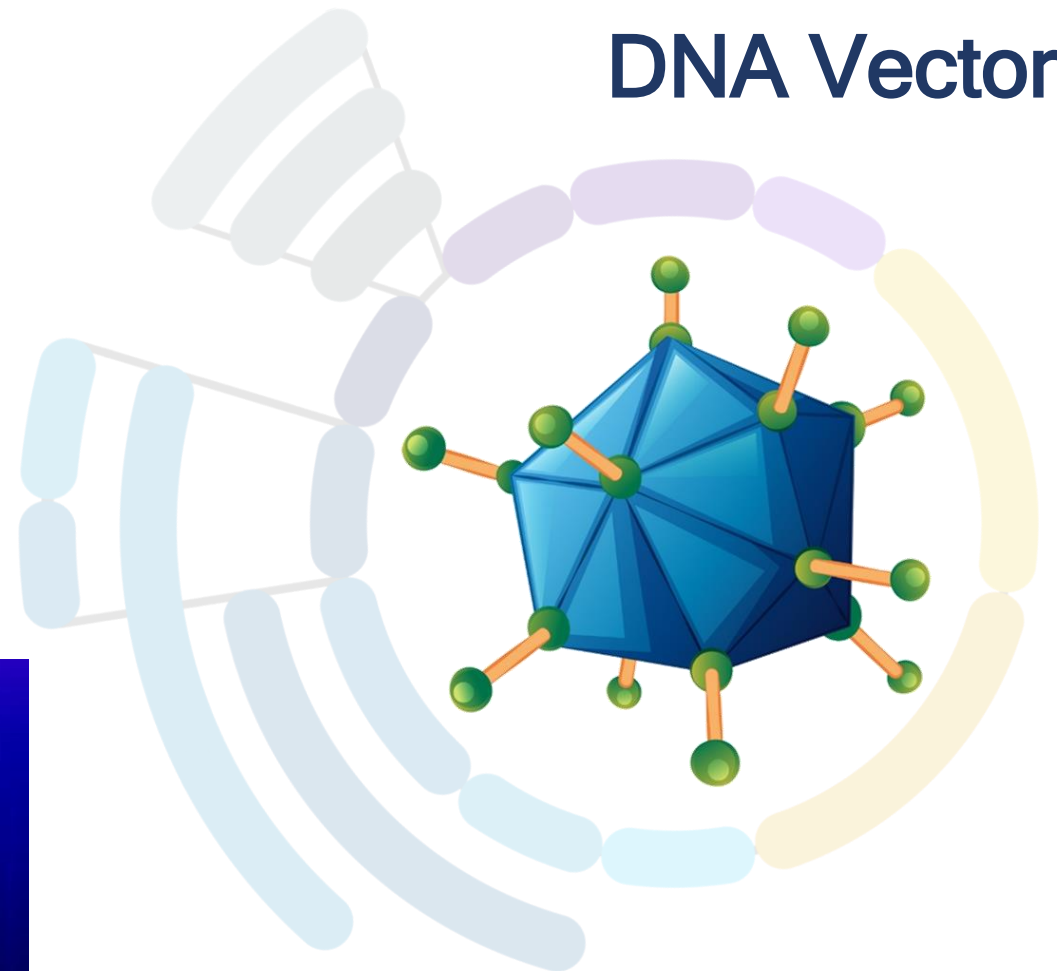
- **Protein engineering:** combinatorial mutagenesis, fusions and deletions...
- **Multicistronic vectors:** integrating several (2 to 4) independent expression cassettes.
- **CRISPR-Based strategies:** regular knock-out or knock-in vectors as well as transcriptomic or epigenic regulation or locus imaging tools.
- **Promoter validation:** ready-to use kit or customized cellular assays.
- Any tailor-designed vector that really fits your needs!

All - and more - available at www.e-zyvec.com



e-Zyvec
DNA vectors made easy

eZ-AAV DNA Vectors

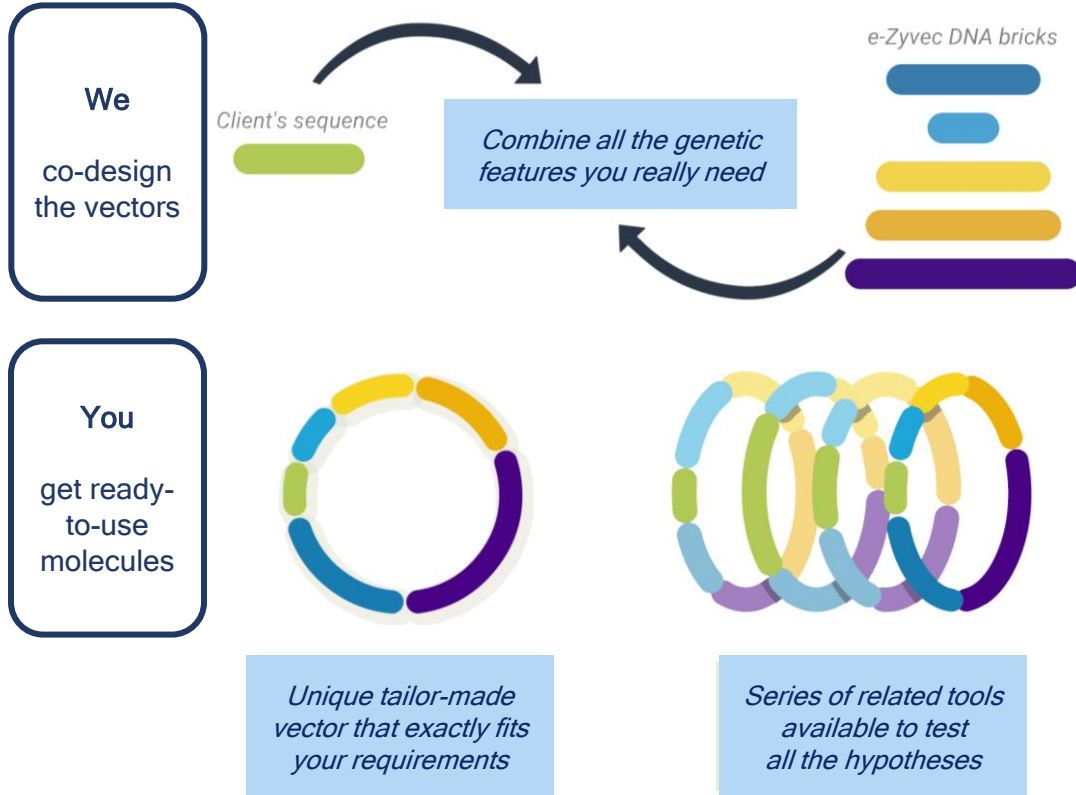


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e-Zyvec proprietary assembly method



eZ-AAV Transfer Vectors

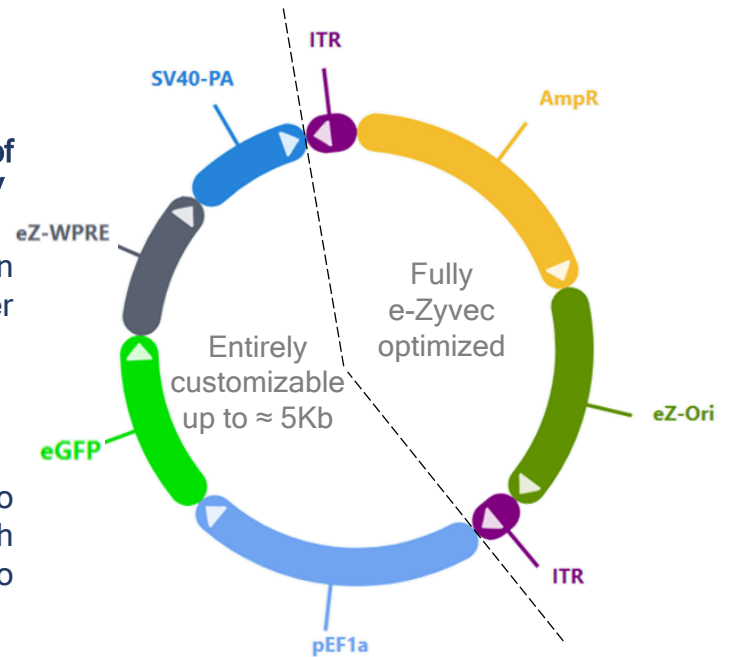
- **Overview of AAV systems:** Associated Adeno Viruses have been engineered to create a non-integrative system for transgenesis. AAV genome has been re-organized into 2 complementary DNA vectors (plasmids): the transfer vector and the Rep/Cap (capsid) vector. In addition an helper vector is used to ensure yield of viral particle production.
- **e-Zyvec Transfer Vectors - eZ-AAV:** we have optimized specific DNA bricks containing ITRs to generate very easily any transfer vector needed. This is fully compatible with any AAV system.
- **Further AAV optimization:** Rep/Cap or helper vectors can also be modified for you on demand.

Experimental Data

High rate assembly of transfer vector eZ-AAV

Any genetic cargo can be assembled together with ITR bricks,

Full compatibility with all other bricks from e-Zyvec, so the cargo can be validated with regular vectors prior to generate AAV vectors,



Proven Biological activity of e-Zyvec's AAV transfer vector

In this example HEK-293 cells were transduced with AAV-DJ (pseudotype) particles obtained with the vector above. eGFP expression was detected with microscopy (left) and flow cytometry (right).

