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

- **Protein engineering**: combinatorial mutagenesis, fusions and deletions…
- **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.
- **Viral vectors:** Lentiviruses and AAV, mono- or bi-cistronic.
- Any tailor-designed vector that really fits your needs!

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

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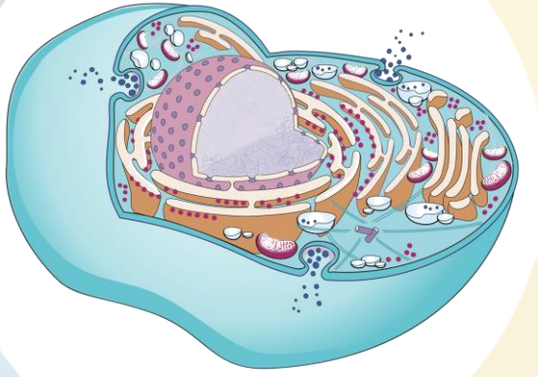
59120 Loos - France

+33 (0)3 59 61 50 43
contact@e-zyvec.fr

e-Zyvec

DNA vectors made easy

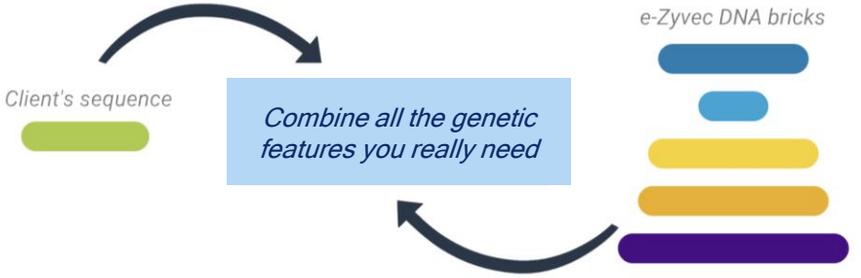
Multicistronic DNA Vectors



e-Zyvec proprietary assembly method

We

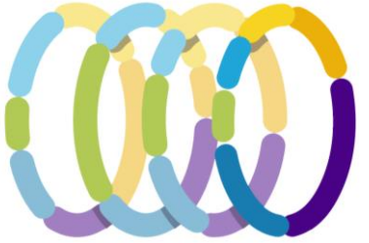
co-design the vectors



You

get ready-to-use molecules

Unique tailor-made vector that exactly fits your requirements



Series of related tools available to test all the hypotheses

Multiple gene expression vectors

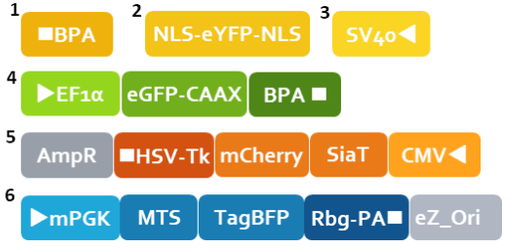
- **Combine 2 to 6 independent expression cassettes**: combine several 'cistrons' in your genetic tools, up to a maximum vector size of 23Kb.
- **Customize each cassette** : you can define any promoter in combination with any ORF. You can also choose to repeat any feature several times in a given vector.
- **Freely arrange the content** : order and orientation of each cassette can be changed to assess and optimize the expression yield.

Example

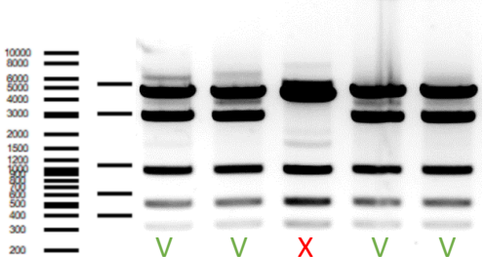
10Kb regular vector encoding 4 fluorescent proteins

In this design cassettes have been oriented divergently to minimise potential transcription conflicts

6 DNA bricks / 16 genetic features



High rate of correct constructs



4 Independent transgenes simultaneously expressed from a single DNA vector.

Four fluorescent proteins with distinct emission spectra were fused to signal peptides to be adressed each in a specific subcellular compartment.