

FLUORESCENT PROTEINS AVAILABLE WITH OUR LENTIVIRAL PARTICLES

We offer several proteins that you can add as fluorescent reporters with your gene of interest in integrative or non-integrative lentiviral vectors.

BE BRILLIANT WITH YOUR EXPERIMENT!

Use the brightest fluorescent proteins with your lentiviral vectors!

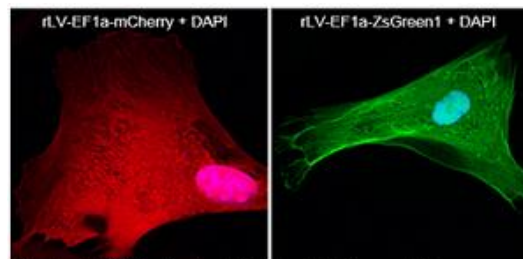


Figure 1 : Lentiviral transduction of HeLa cells with mCherry and ZsGreen

Vectalys lentiviral vectors carrying fluorescent proteins to:

- ▶ Monitor your transduction experiments
- ▶ Identify and select cells expressing your sequences of interest
- ▶ Generate fluorescent reporter cell lines for *ex-vivo* experiments

Fluorescent protein properties:

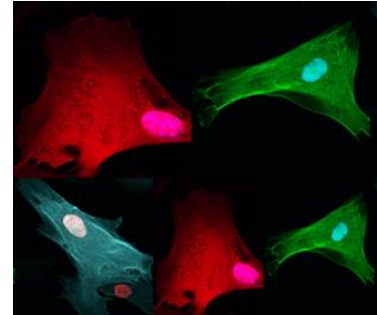
	Excitation (nm)	Emission (nm)	Photostability	Quaternary structure	Brilliance (% of EGFP)
Tag-BFP (Evrogen)	402	457	++	Monomer	99
Turbo-GFP (Evrogen)	482	502	+++	Dimer	112
ZsGreen (Clontech)	493	505	++	Tetramer	117
Turbo-RFP (Evrogen)	553	574	++	Dimer	187
mCherry (Clontech)	587	610	+++	Monomer	47
mKate (Evrogen)	588	635	+++	Monomer	26

All fluorescent proteins above are available on-demand with custom lentiviral vectors projects.

Premade lentiviral particles with fluorescent proteins:

Easy to use kits for cell labelling or generation of reporter cell lines

Application	Product	Quantity
General cell labelling (fluorescent)	ILV-EF1a-TurboGFP	1 x 20µl or 5 x 20µl at 1E9 TU/ml
	ILV-EF1a-TurboRFP	
	ILV-EF1a-TagBFP	
	ILV-EF1a-mKate	



► Competitive products: fluorescent reporter cell lines

Ready to use reporter cell lines expressing a fluorescent protein

Issues:

1. Buying a premade reporter cell line is expensive (2500/3000€)
2. The customer does not manage the level of reporter expression

► Our solution: lentiviral vectors with fluorescent protein

Create your own reporter cells fitting your expectations by using our highly pure particles

Benefits:

- Efficient on **any cell type** (immortalized, primary or stem cells) and *in vivo*
- **Save money: with the** use of one batch (300€) you can generate multiple fluorescent reporter cell lines
- **The reporter expression** level can be monitored
- Any question about your project, please contact us at tech@flashtherapeutics.com.