

Fluorescent ProteinPaintbox™ - *E. coli* RFPs

Description

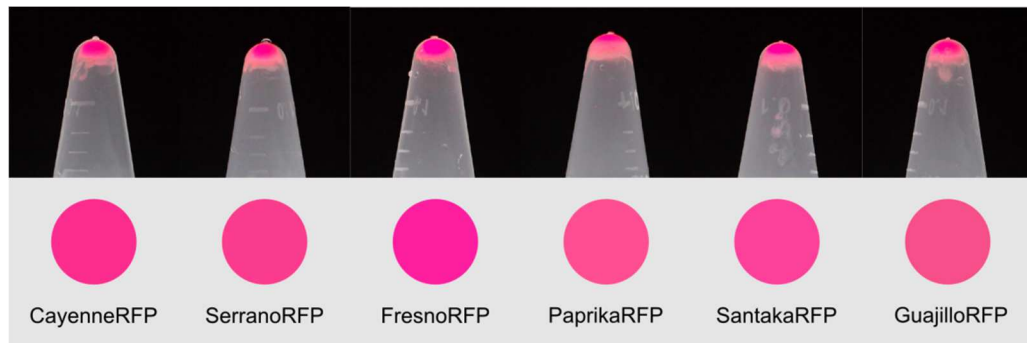
ATUM's synthetic non-aequorea fluorescent proteins are intended to be used as a source of different fluorescent protein coding sequences (genes) that can be amplified by PCR and cloned into any other expression vector of choice. These vectors can also be used as expression vectors (T5 promoter) or as positive controls and allow monitoring of inducible protein expression.

ATUM Vectors

Cat # (Kan ^R)	Name	Ex. max (nm)	Em. max (nm)	Mol. Wt. kDa	Length (aa)	Maturation at 37°C	Cell toxicity
FPB-54-441	FresnoRFP	553	592	26.0	233 aa	Fast	not observed
FPB-55-441	CayenneRFP	554	590	26.6	237 aa	Fast	not observed
FPB-56-441	PaprikaRFP	554	590	29.2	263 aa	Fast	not observed
FPB-57-441	SerranoRFP	554	590	26.5	237 aa	Fast	not observed
FPB-58-441	SantakaRFP	558	603	29.0	263 aa	Fast	not observed
FPB-61-441	GuajilloRFP	554	584	28.9	263 aa	Fast	not observed

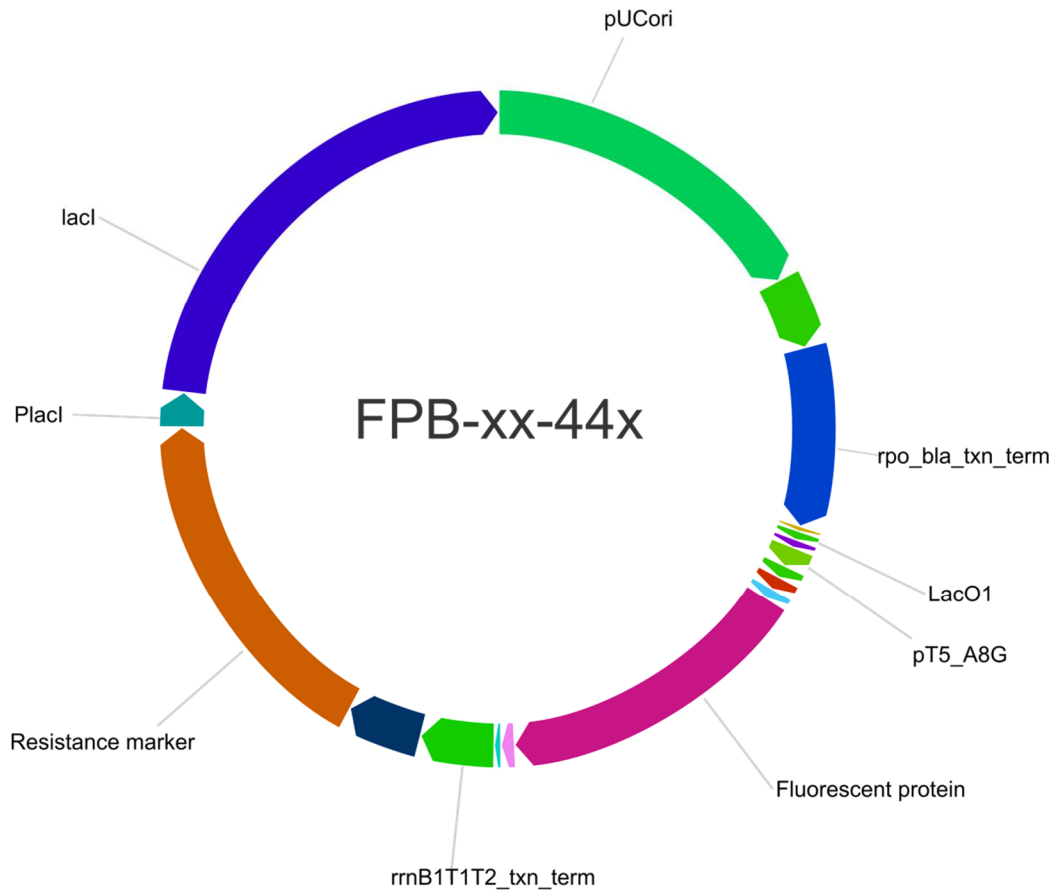
2µg Package size. Store at room temperature. Once DNA is re-suspended in water or TE, store at -20°C.

Fluorescent protein expression



Excitation/Emission spectra

For individual spectra, please see www.atum.bio/products/protein-paintbox#Data2

Vector Map

Vector images are from Gene Designer software (www.atum.bio/genedesigner2). When you purchase this vector, you will receive a complimentary copy of the Gene Designer file for the vector, allowing you to view and manipulate the cloning region and all sequences.

Intellectual Property Statement

Available online: www.atum.bio/company/terms-and-conditions