

Fluorescent ProteinPaintbox© - BioBricks set

Description

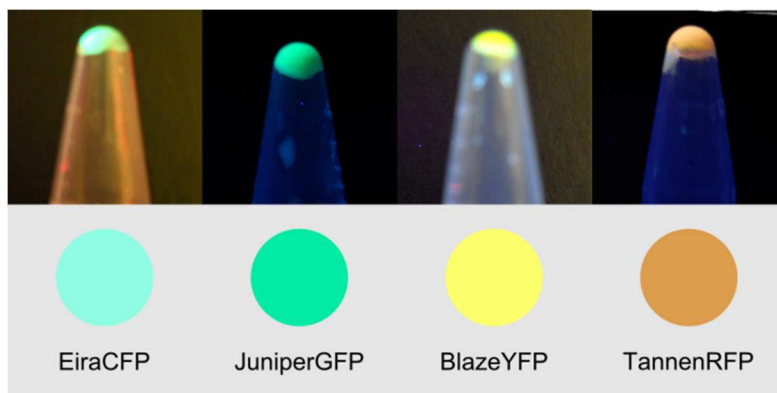
ATUM's synthetic non-aequorea fluorescent proteins are intended to be used as a source of different fluorescent protein coding sequences (genes) that can be amplified by PCR and cloned into any other expression vector of choice. These vectors can also be used as expression vectors (T5 promoter -441(Kan) or 444 (Amp)) or as positive controls and allow monitoring of inducible protein expression. pMOTHER vectors (269) can be used to transfer fluorescent proteins to any pDAUGHTER vector using the Electra reagents kit.

ATUM Vectors

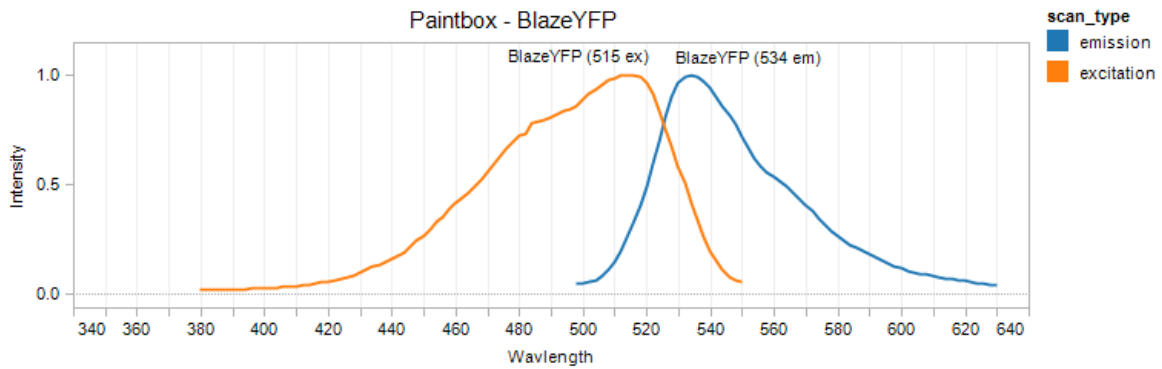
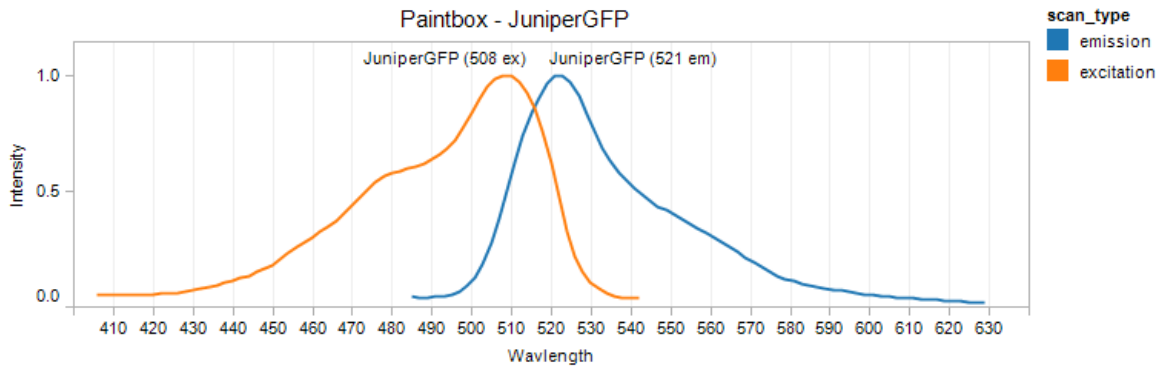
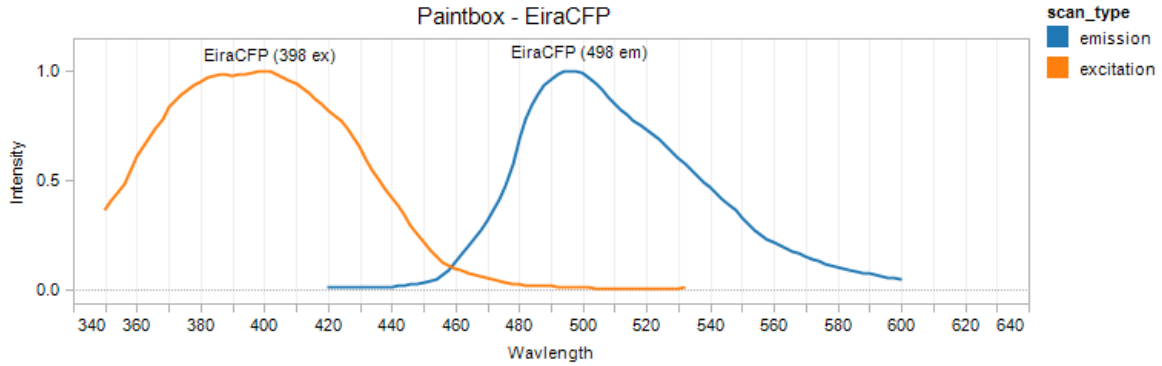
Cat # (Kan ^R)	Name	Ex. max (nm)	Em. max (nm)	Mol. Wt. kDa	Length (aa)	Maturation at 37°C	Cell toxicity
FPB-BB1-441	EiraCFP	398	498	26.0	233 aa	Fast	not observed
FPB-BB2-441	JuniperGFP	508	521	26.6	237 aa	Fast	not observed
FPB-BB3-441	BlazeYFP	515	534	29.2	263 aa	Fast	not observed
FPB-32-441	TannenRFP	550	565	25.2	227 aa	Medium	not observed
FPB-BB1-444	EiraCFP	398	498	26.0	233 aa	Fast	not observed
FPB-BB2-444	JuniperGFP	508	521	26.6	237 aa	Fast	not observed
FPB-BB3-444	BlazeYFP	515	534	29.2	263 aa	Fast	not observed
FPB-32-444	TannenRFP	550	565	25.2	227 aa	Medium	not observed
FPB-BB1-269	EiraCFP	398	498	26.5	237 aa	Fast	not observed
FPB-BB2-269	JuniperGFP	508	521	29.0	263 aa	Fast	not observed
FPB-BB3-269	BlazeYFP	515	534	28.9	263 aa	Fast	not observed
FPB-32E-269	TannenRFP	550	565	25.2	227 aa	Fast	not observed

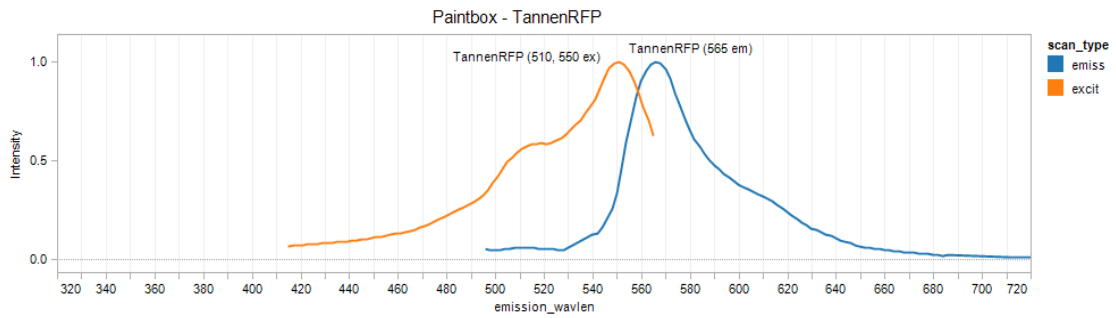
2ug Package size. Store at room temperature. Once DNA is re-suspended in water or TE, store at -20°C.

Fluorescent Protein expression

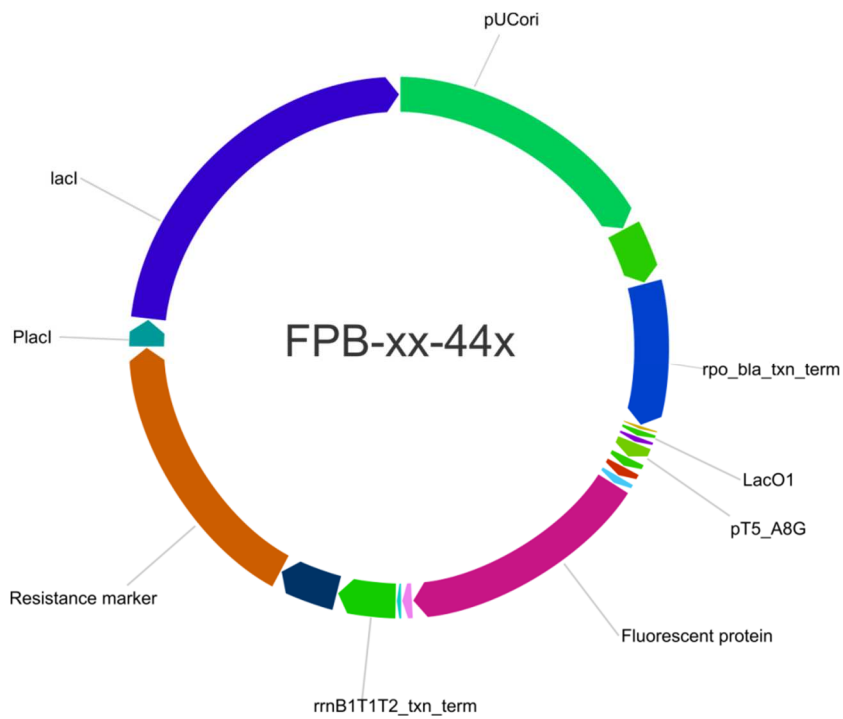


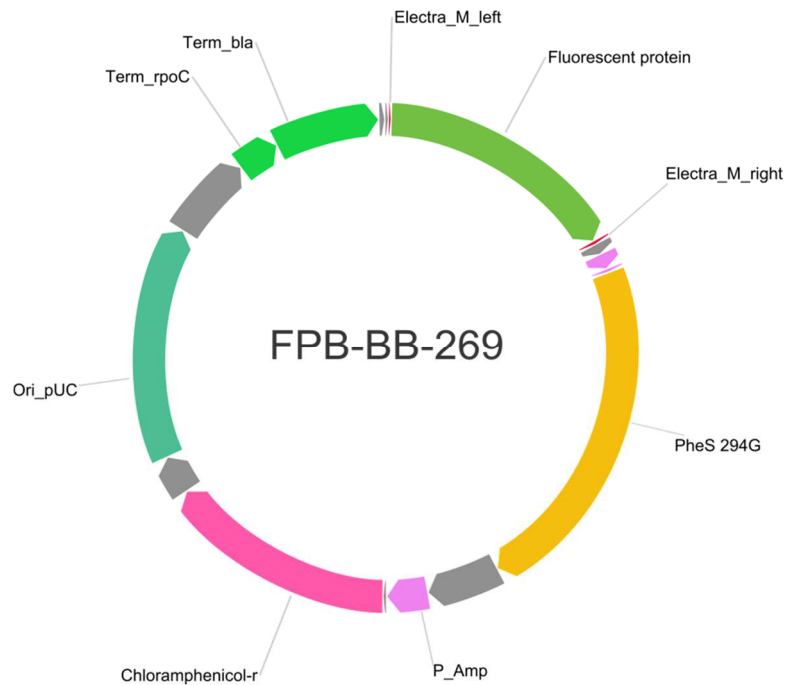
Excitation/Emission spectra





Vector Map





Vector images are from Gene Designer software (www.DNA20.com/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

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