



FPB-xx-265/9

Fluorescent ProteinPaintbox™ - Yeast - pMOTHER vectors

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 or easily excised using the flanking Electra (SapI) restriction sites and cloned into any other pDAUGHTER or expression vector of choice.

ATUM Vectors

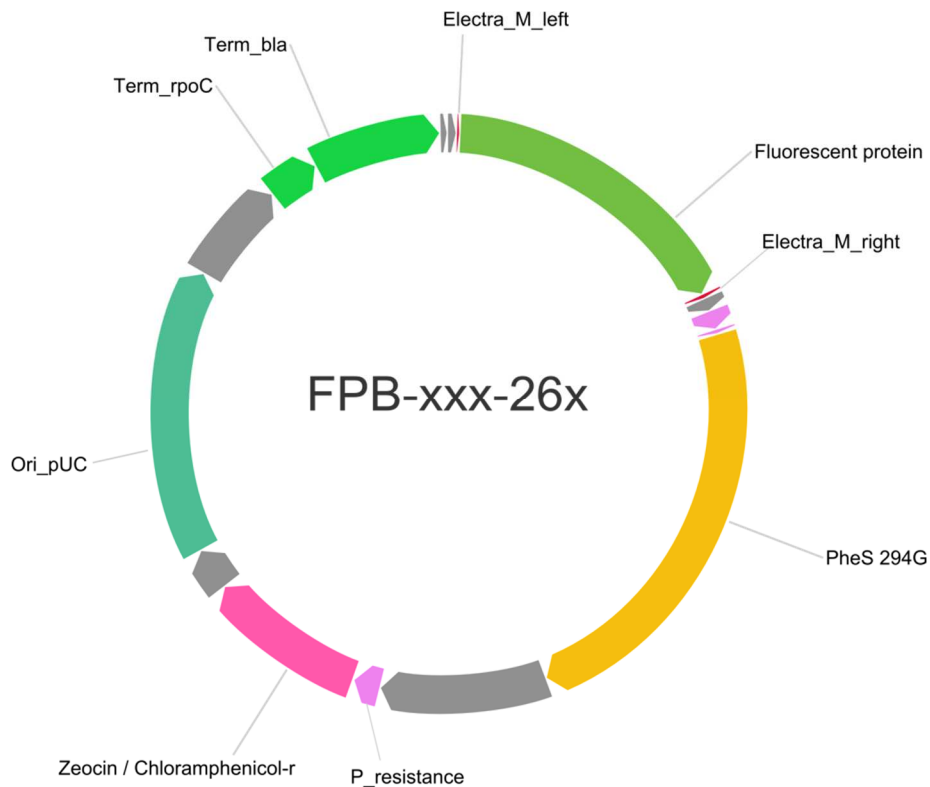
Cat # (Chlor ^R)	Name	Ex. max (nm)	Em. max (nm)	Mol. Wt. kDa	Length (aa)	Maturation at 37°C	Cell toxicity
FPB-23Y-265	MarleyYFP	520	538	26.4	234 aa	Fast	not observed
FPB-27Y-265	DasherGFP	505	525	26.6	237 aa	Fast	not observed
FPB-31P-265	RudolphRFP	553	570	25.3	234 aa	Fast	not observed
FPB-48P-265	KringleYFP	520	542	26.4	237 aa	Fast	not observed
FPB-51P-265	SimeonOFP	550	563	25.4	237 aa	Fast	not observed
FPB-52P-265	TinyTimOFP	550	563	25.3	237 aa	Fast	not observed
FPB-23Y-269	MarleyYFP	520	538	26.4	237 aa	Fast	not observed
FPB-27Y-269	DasherGFP	505	525	26.6	238 aa	Fast	not observed
FPB-31Y-269	RudolphRFP	553	570	25.3	237 aa	Fast	not observed
FPB-51Y-269	SimeonOFP	550	563	25.4	222 aa	Fast	not observed
FPB-48P-269	KringleYFP	520	542	26.4	237 aa	Fast	not observed
FPB-52Y-269	TinyTimOFP	550	563	25.3	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 and Excitation/Emission spectra

Please visit www.atum.bio/products/protein-paintbox?exp=2#Data2

Vector Map



Cloning Information

Fluorescent protein can be excised by using Sapl to cut the vector. You can easily transfer fluorescent proteins in pMOTHER vectors into any pDAUGHTER vector using the Electra reagents kit.

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