Fluorescent ProteinPaintbox™ - Yeast- pMOTHER 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 or easily excised using the flanking Electra (SapI) sites and cloned into any other DAUGHTER expression vector of choice.

ATUM Vectors

Cat # (Kan^R)	Name	Ex. max (nm)	Em. max (nm)	Mol. Wt. kDa	Length (aa)	Maturation at 37°C	Cell toxicity
FPB-54Y-269	FresnoRFP	553	592	26.0	233 aa	Fast	not observed
FPB-55Y-269	CayenneRFP	554	590	26.6	237 aa	Fast	not observed
FPB-57Y-269	SerranoRFP	554	590	26.5	237 aa	Fast	not observed

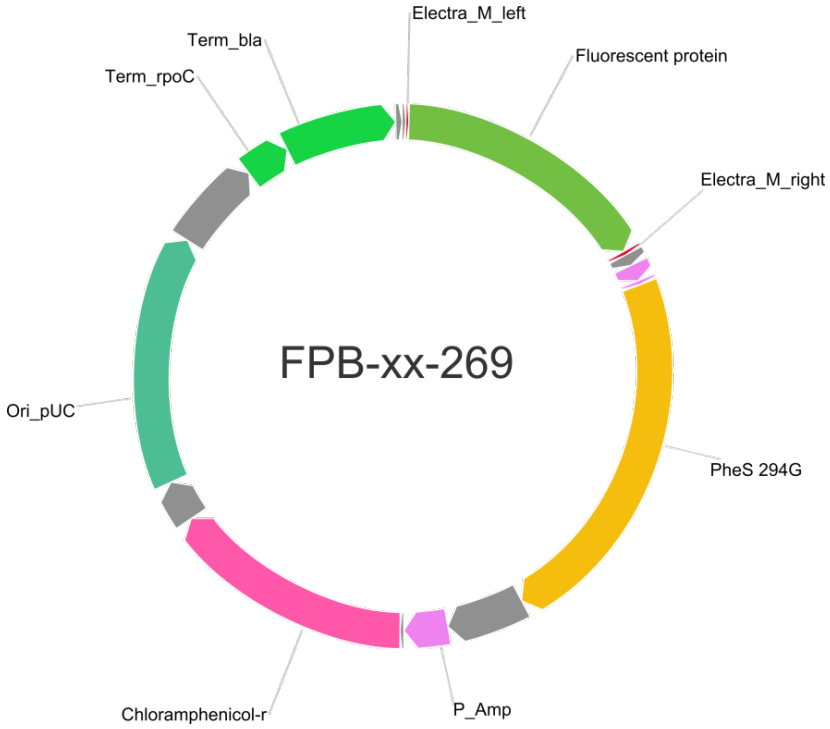
2ug Package size. Store at room temperature. Once DNA is re-suspended in water or TE, store at -20°C.

Excitation/Emission spectra

For individual spectra, please see

www.atum.bio/catalog/reagents/protein-paint-box#__fluorescent-overview

Vector Map



Cloning Information

Fluorescent protein can be excised by using SapI 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/resources/tools/gene-designer). 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/resources/company/terms-and-conditions