



FPB-xxH-269

Fluorescent ProteinPaintbox© - Mammalian – 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 and cloned into any other DAUGHTER expression vector of choice.

ATUM Vectors

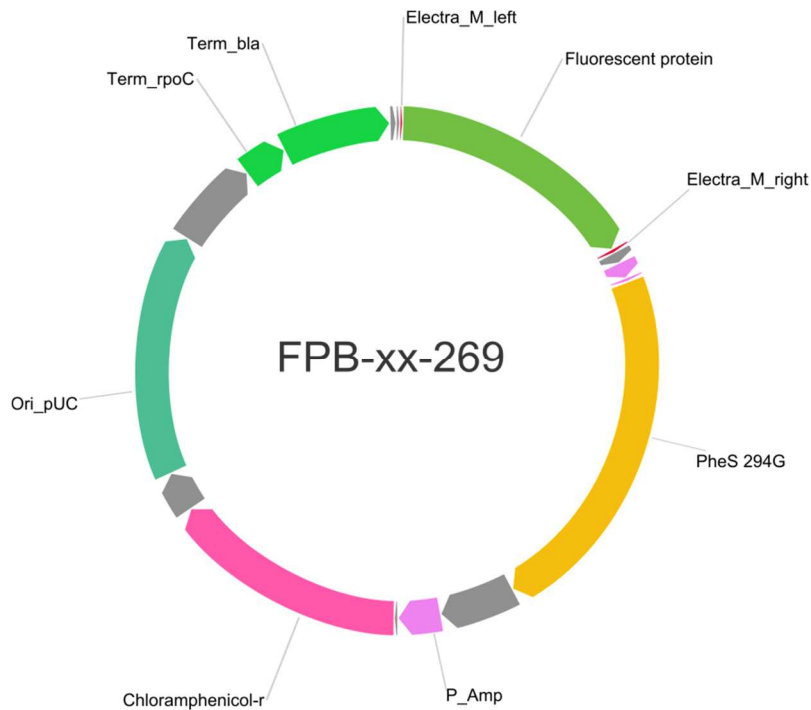
Cat # in pJ509	Name	Ex. max (nm)	Em. max (nm)	Mol. Wt. kDa	Length (aa)	Maturation at 37°C	Cell toxicity
FPB-59H-269	PartridgeCFP	395	500	26.0	233 aa	Fast	not observed
FPB-60H-269	SnowCFP	400	495	26.1	235 aa	Fast	not observed
FPB-63H-269	NicholasCFP	400	495	26.0	233 aa	Fast	not observed
FPB-26H-269	CometGFP	395	515	26.4	237 aa	Fast	not observed
FPB-27H-269	DasherGFP	505	525	26.6	237 aa	Fast	not observed
FPB-30H-269	YukonOFP	550	563	25.4	227 aa	Fast	not observed
FPB-31H-269	RudolphRFP	553	570	25.3	226 aa	Fast	not observed
FPB-54H-269	FresnoRFP	553	592	26.0	233 aa	Fast	not observed
FPB-55H-269	CayenneRFP	554	590	26.6	237aa	Fast	not observed
FPB-56H-269	PaprikaRFP	554	590	29.2	263 aa	Fast	not observed
FPB-57H-269	SerranoRFP	554	590	26.5	237 aa	Fast	not observed
FPB-58H-269	SantakaRFP	558	603	29.0	263 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/products/protein-paintbox#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