CPB-xx-44x

Chromogenic Protein Paintbox™ - *E. coli*

Description

ATUM's chromogenic proteins are intended to be used as a source of different color protein coding sequences (genes) that can be amplified by PCR or easily excised using the flanking BsaI restriction sites 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.

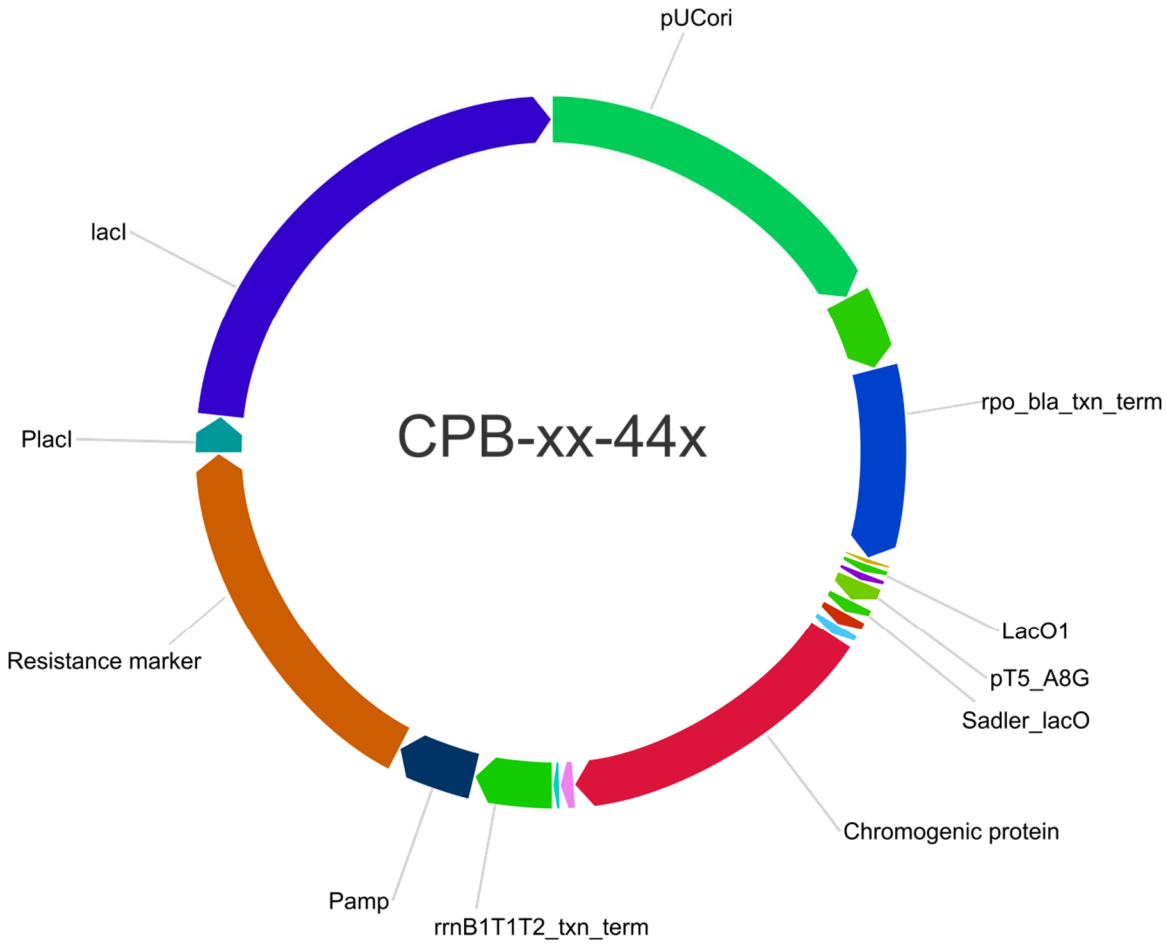
ATUM Vectors

Cat # (Kan^R)	Cat # (Amp^R)	Name	Mol. Wt. kDa	Length (aa)	Maturation at 37°C	Cell toxicity
CPB-33-441	CPB-33-444	Blitzen Blue	26.0	232 aa	Fast	not observed
CPB-34-441	CPB-34-444	Dreidel Teal	26.5	233 aa	Fast	not observed
CPB-35-441	CPB-35-444	Virginia Violet	26.1	232 aa	Fast	not observed
CPB-36-441	CPB-36-444	Vixen Purple	26.4	229 aa	Fast	not observed
CPB-37-441	CPB-37-444	Prancer Purple	26.4	229 aa	Fast	not observed
CPB-38-441	CPB-38-444	Tinsel Purple	26.4	229 aa	Fast	not observed
CPB-39-441	CPB-39-444	Maccabee Purple	26.4	229 aa	Fast	not observed
CPB-40-441	CPB-40-444	Donner Magenta	26.4	232 aa	Fast	not observed
CPB-41-441	CPB-41-444	Cupid Pink	26.6	229 aa	Fast	not observed
CPB-44-441	CPB-44-444	Seraphina Pink	25.4	229 aa	Fast	not observed
CPB-45-441	CPB-45-444	Scrooge Orange	25.3	232 aa	Fast	not observed
CPB-46-441	CPB-46-444	Leor Orange	25.2	233 aa	Fast	not observed

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

Chromogenic Protein expression

Vector Map



Cloning Information

Chromogenic protein can be excised by using a Type IIs cutter **BsaI** to cut the vector. Two unique BsaI sites flank the fluorescent protein (FP), one that is 5' to the FP ORF and one immediately following the FP stop codon.

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
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