

# pRANGER™ -BTB Vectors

## Technical Specifications

**Lucigen®**  
The Molecular Cloning Company

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500 µl glycerol stock of plasmid in *E. coli*® 10G cells  
Catalog No. 42101-1, 42104-1, 42106-1, or 42108-1

**Store at minus (-)86°C.**

For *In Vitro* Research Use Only.

Not for Drug or Diagnostic use. Not for use in humans or animals.

## pRANGER™ -BTB Vectors for broad host range cloning and expression

The pRANGER-BTB vectors<sup>1,2</sup> (patents pending) provide high stability cloning in a broad host-range expression vector. These unique vectors incorporate the pBBR1 replicon, which enables stable plasmid replication in Gram negative bacteria. pRANGER-BTB vectors also contain the pBAD promoter for inducible expression of cloned genes with a simple arabinose incubation step. These features allow cloning and expression in a wide variety of Gram negative strains, thereby avoiding structural and segregational instability that may occur in *E. coli* cloning vectors.

The pRANGER-BTB vectors offer a convenient choice of antibiotic resistance: ampicillin, chloramphenicol, kanamycin, or trimethoprim (Figure 1).

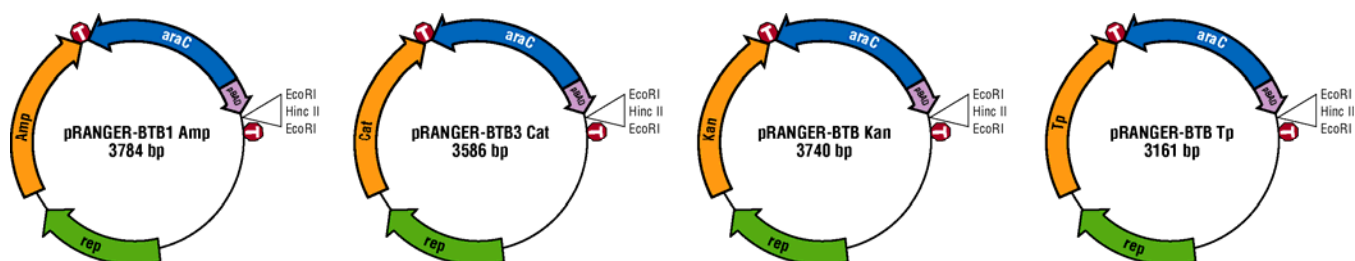


Figure 1. pRANGER-BTB vectors. The sequences of the vectors will be available in GenBank. The sequence files can be found at <http://www.lucigen.com>

## References

1. Lynch, M.D. and Gill, R.T. (2006). A series of broad host range vectors for stable genomic library construction. *Biotechnol. Bioeng.*, 94 (1) 151-158.
2. Patents pending by the University of Colorado and licensed exclusively to Lucigen Corporation.

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