

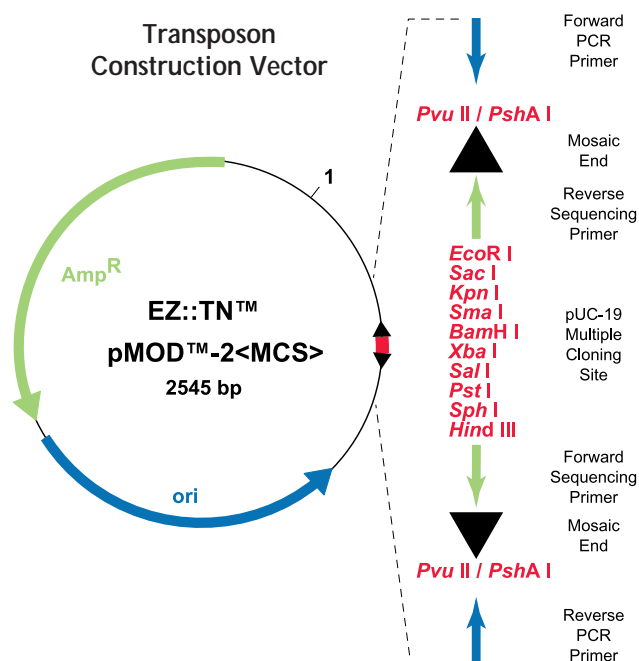
New Transposon Construction Vector for Constructing a Custom EZ::TN™ Transposon

EZ::TN pMOD™-2<MCS> is a pUC-based vector containing a new transposon construction module for preparation of custom EZ::TN Transposons containing virtually any DNA sequence of interest (e.g. species-specific selectable markers, genetic control elements, cDNA). The new EZ::TN pMOD-2<MCS> features primer binding sites within the transposon for bidirectional sequencing from the insertion site of any custom EZ::TN Transposon. No need to design your own primers.

How to prepare a custom EZ::TN Transposon and EZ::TN Transposome™ using pMOD-2<MCS>

1. **Clone your DNA into pMOD-2<MCS>.** pMOD-2<MCS> contains the multiple cloning site from pUC19 between the hyperactive 19-bp Mosaic Ends (ME) that are specifically and uniquely recognized by EZ::TN Transposase.
2. **Isolate your custom EZ::TN Transposon.** There are three options for preparing an EZ::TN Transposon from pMOD-2<MCS> - digestion with either *Pvu* II or *Psh* A I to release the transposon from the vector backbone or PCR amplification of the transposon region using the Forward and Reverse PCR Primers included with the vector.
3. **Use the newly prepared EZ::TN Transposon** for random, *in vitro* insertion into a plasmid or cosmid clone using EZ::TN Transposase or prepare an EZ::TN Transposome by incubating with EZ::TN Transposase in the absence of Mg²⁺ for *in vivo* insertions. Sequence from the transposon insertion site bidirectionally using the Forward and Reverse Sequencing Primers (available separately).

For more information, please circle reader service number N732 on the reply card found in the center insert or visit our website at www.epicentre.com/catalog/pmod2.htm



EZ::TN™ pMOD-2™<MCS> Transposon Construction Vector

MOD0606-F73 20 µg
Includes Forward and Reverse PCR Primers

pMOD™<MCS> Forward Sequencing Primer

MODFSP201-F73 1 nmole

pMOD™<MCS> Reverse Sequencing Primer

MODRSP202-F73 1 nmole

EZ::TN™ Transposase

TNP92110-F73 10 Units

Have you constructed a custom EZ::TN Transposon or have an idea for a new EZ::TN Transposon?

Contact our Technical Consultants at (800) 284-8474 (U.S. only) or via E-mail at techhelp@epicentre.com to tell us what you have made, how it was used or what transposon would be helpful to you and receive an EZ::TN Transposon Tools T-shirt.

