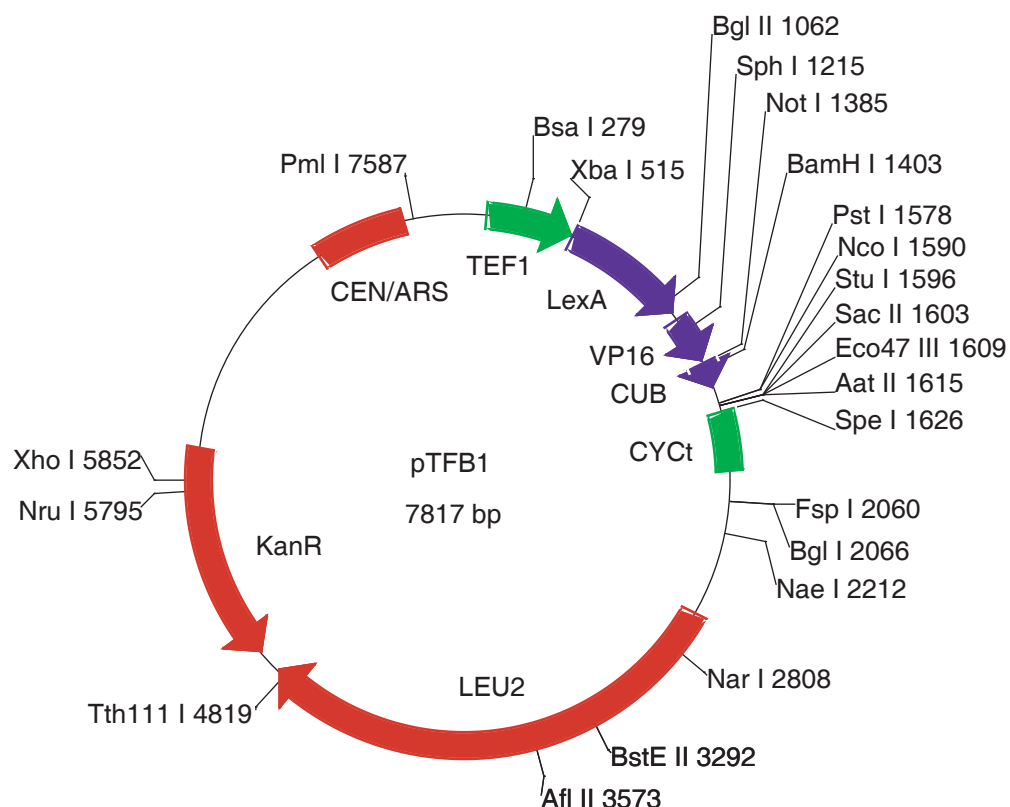


Vector Information Sheet ☐ ☐ pTFB1

The plasmid pTFB1 is a yeast - E. coli shuttle vector that is used to express cDNAs as N-terminal fusions to the reporter module LexA-VP16-Cub for use in the DUALmembrane system.



Multiple cloning site

Pst I Nco I Stu I Sac II Eco47 III Aat II Spe I
 AAT TCC TGC AGA TAT ACC CAT GGA GGC CTT CCG CGG AGC GCT GAC GTC AGA TCA CTA GTC ATG TAA TT
 Cub reading frame

All sites in the multiple cloning site are unique.

Vector features

- TEFp☐ TEF1 promoter (nt 107-521)
- LexA☐ Amino acids 1-200 of LexA (nt 527-1134)
- VP16☐ Herpes simplex VP16 transactivator (nt 1151-1388)
- Cub☐ Amino acids 34-76 of yeast ubiquitin (nt 1395-1530)
- CYC1t☐ *S. cerevisiae* CYC1 terminator (nt 1630-1901)
- LEU2☐ *S. cerevisiae* LEU2 gene for auxotrophic selection in yeast (nt 2603-4832)
- CEN/ARSOri origin of replication. Allows propagation of plasmids in yeast at low copy numbers (1-2 copies/cell, nt 7096-7534)
- Kan☐ Kanamycine resistance gene (nt 4981-6013)

The complete sequence of pTFB1 can be downloaded from <http://www.dualsystems.com> or can be obtained by sending a request to support@dualsystems.com.