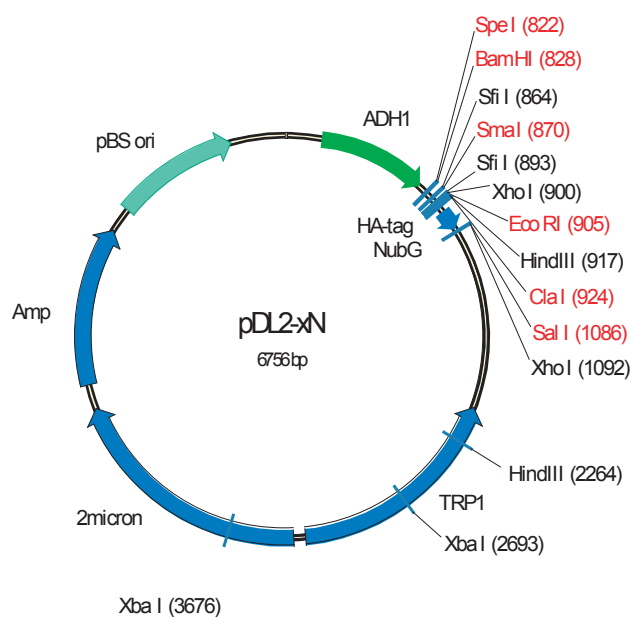


P03207

## Vector Information Sheet ☐ ☐ pDL2xN

The plasmid pDL2xN is a yeast - E. coli shuttle vector expressing a cDNA as an N-terminal fusion to the NubG cassette. pDL2xN is a component of the DUALmembrane 2 system. The two Sfi I sites in the multiple cloning site allow easy directional cloning of most cDNAs into the vector.



Multiple cloning site

SpeI BamHI SfiI SmaI SfiI

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CAC TAG TGG ATC CAA GCA GTG GTA TCA ACG CAG AGT GGC CAT TAC GGC CCG GGA AAA AAC ATG TCG GCC GCC TCG GCC TCT  
 His \*\*\* Trp Ile Gln Ala Val Val Ser Thr Gln Ser Gly His Tyr Gly Pro Gly Lys Asn Met Ser Ala Ala Ser Ala Ser

EcoRI ClaI

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CGA GAA TTC GAT ATC AAG CTT ATC GAT ATG TAC  
 Arg Glu Phe Asp Ile Lys Leu Ile Asp Met Tyr  
 →  
 HA-tag

### Vector features

- ADH1p  ADH1 promoter (nt 112-821)
- HA tag  HA epitope tag (nt 928-960)
- NubG  Amino acids 1-38 of yeast ubiquitin (nt 967-1104)
- TRP1  S. cerevisiae TRP1 gene for auxotrophic selection in yeast (nt 2068-3261)
- 2micron  Origin of replication. Allows propagation of plasmids in yeast at high copy numbers (20-100 copies/cell, nt 3325-4627)
- Amp  Ampicillin resistance gene (nt 4805-5663)
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