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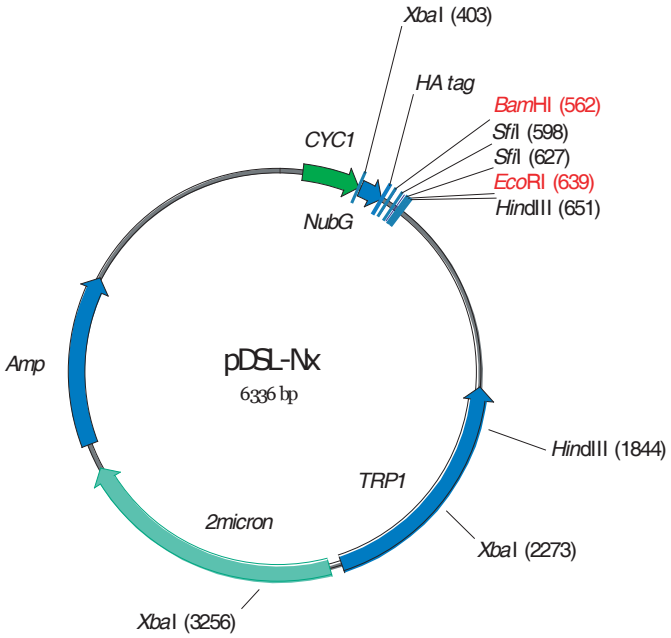
Vector Information Sheet pDSL-Nx

The plasmid pDSL-Nx is a yeast - E. coli shuttle vector expressing a cDNA as an C-terminal fusion to the NubG cassette. pDSL 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

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                                                    SfiI
                                                ____________
TAC GCT GGA TCC AAG CAG TGG TAT CAA CGC AGA GTG GCC ATT ACG GCC
Tyr Ala Gly Ser Lys Gln Trp Tyr Gln Arg Arg Val Ala Ile Thr Ala
HA tag

SmaI                    SfiI                EcoRI                  ClaI      SalI
_______          ______________       _______                _______   _______
CGG GAA AAA ACA TGT CGG CCG CCT CGG CCT CTC GAG AAT TCG ATA TCA AGC TTA TCG ATA CCG TCG ACC
Arg Glu Lys Thr Cys Arg Pro Pro Arg Pro Leu Glu Asn Ser Ile Ser Ser Leu Ser Ile Pro Ser Thr
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Vector features

CYC1p	CYC1 promoter (nt 112-402)
NubG	Amino acids 1-38 of yeast ubiquitin (nt 414-530)
HA tag	HA epitope tag (nt 531-560)
TRP1	S. cerevisiae TRP1 gene for auxotrophic selection in yeast (nt 1648-2841)
2micron	Origin of replication. Allows propagation of plasmids in yeast at high copy numbers (20-100 copies/cell, nt 2905-4252)
Amp	Ampicillin resistance gene (nt 4385-5243)

The complete nucleotide sequence of this vector is available for download from http://www.dualsystems.com.