



LOCUS Exported 4311 bp ds-DNA circular SYN 05-MAR-2013

DEFINITION Entry vector for transferring a cloned attL-flanked gene to a destination vector in the Gateway(R) system. Also known as pENTR223.1-Sfi or pENTR223*-Sfi.

ACCESSION .

VERSION .

KEYWORDS pENTR223.1

SOURCE synthetic DNA construct

ORGANISM synthetic DNA construct

REFERENCE 1 (bases 1 to 4311)

AUTHORS I.M.A.G.E. Consortium

TITLE Direct Submission

JOURNAL Exported Monday, Feb 15, 2016 from SnapGene 3.0.3
<http://www.snapgene.com>

FEATURES Location/Qualifiers

source 1..4311
 /organism="synthetic DNA construct"
 /lab_host="Escherichia coli"
 /mol_type="other DNA"

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terminator      864..891
                /note="rrnB T2 terminator"
                /note="transcription terminator T2 from the E. coli
rrnB
                gene"
terminator      983..1069
                /gene="Escherichia coli rrnB"
                /note="rrnB T1 terminator"
                /note="transcription terminator T1 from the E. coli
rrnB
                gene"
primer_bind     1133..1149
                /note="M13 fwd"
                /note="common sequencing primer, one of multiple
similar
                variants"
protein_bind    1165..1264
                /bound_moiety="LR Clonase(TM)"
                /note="attL1'"
                /note="recombination site for the Gateway(R) LR
reaction;
                mutated version of attL1"
CDS             complement(1312..1617)
                /codon_start=1
                /gene="ccdB"
                /product="CcdB, a bacterial toxin that poisons DNA
gyrase"
                /note="ccdB"
                /note="Plasmids containing the ccdB gene cannot be
                propagaged in standard E. coli strains."

/translacion="MQFKVYTYKRESRYRLFVDVQSDIIDTPGRRMVIPLASARLLSDK
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CDS             complement(1959..2618)
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                /gene="cat"
                /product="chloramphenicol acetyltransferase"
                /note="CmR"
                /note="confers resistance to chloramphenicol"

/translacion="MEKKITGYTTVDISQWHRKEHFQVAFQSVQCTYNQTVQLDITAF
KTVKKNKHKFYPAFIHILARLMNAHPEFRMAMKDGELVIWDSVHPCYTVFHEQTET
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promoter        complement(2619..2721)
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                /note="promoter of the E. coli cat gene"
protein_bind    2786..2885
                /bound_moiety="LR Clonase(TM)"
                /note="attL2'"

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                                /note="recombination site for the Gateway(R) LR
reaction;
                                mutated version of attL2"
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                                /note="promoter for bacteriophage T7 RNA polymerase"
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similar
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