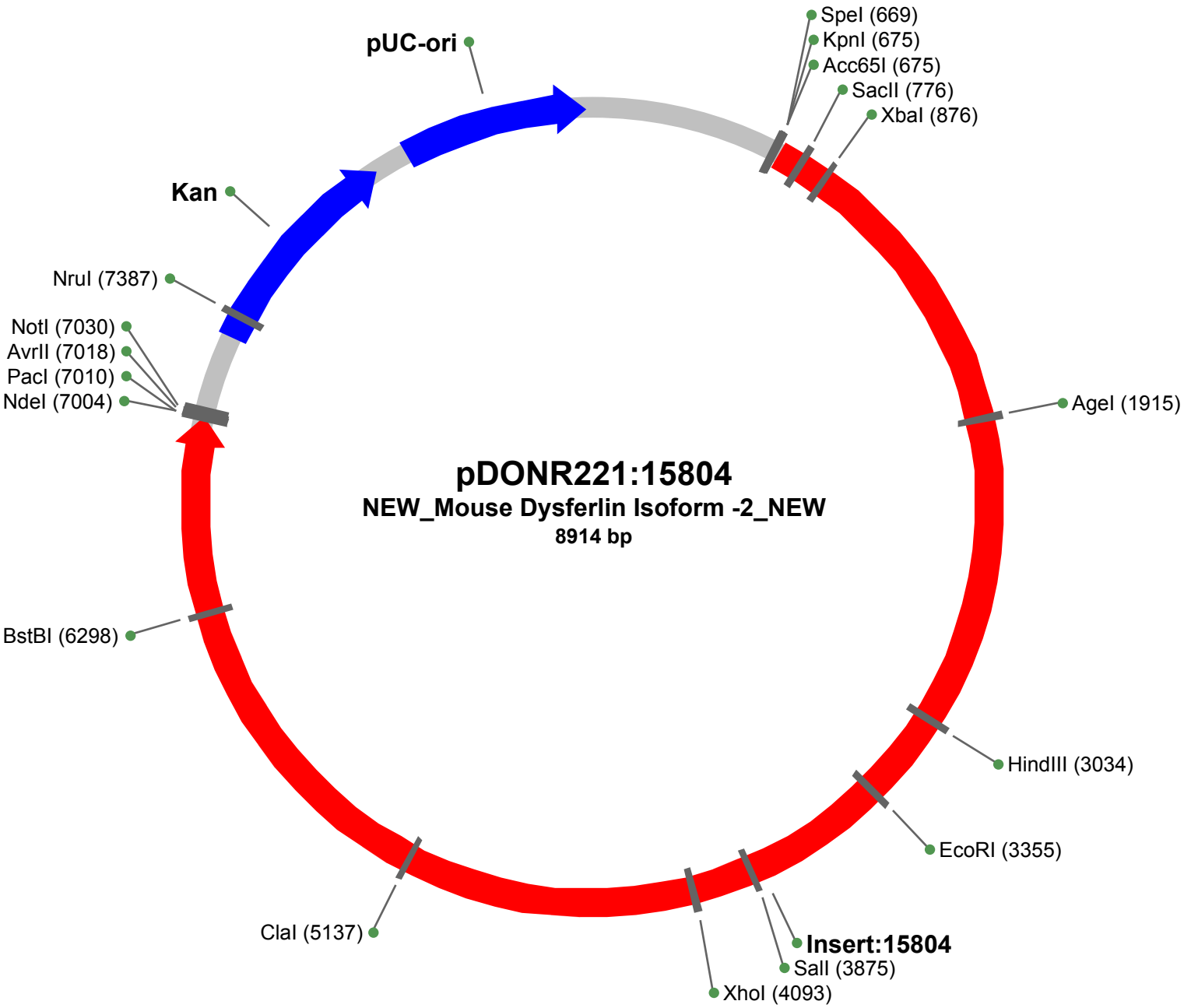
DNA 2.0

Plasmid Map

pDONR221:15804 - NEW_Mouse Dysferlin Isoform -2_NEW

Only single cutters are shown in the map, for a more complete list see table below.

pDONR221 is a Gateway® vector



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Original Author

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Feature Map

- Insert:15804 - Start:682 End:7025
- Kan - Start:7308 End:8117
- pUC-ori - Start:8237 End:8911

Restriction Map

Name	Sequence	Cut Positions
Acc65I	GGTACC	676
AgeI	ACCGGT	1916
AlwNI	CAGNNNCTG	1088,1288,1538,2929,2977,3228,3240,8499
ApaI	GGGCCC	567,1340,2319,3221,3298,4105,5993
ApaLI	GTGCAC	6326,8594
AvaI	CYCGRG	560,2346,4094,4242,4542,5114,5449
AvrII	CCTAGG	7019
BamHI	GGATCC	1560,2050,6808
BbsI	GAAGAC	1275,1884,2114,2484,2763,3572,4073,4140,4325,6323,6653,437(C),706(C),6472(C)
BglI	GCCNNNNNGGC	2885,3729,4992,6572
BglII	AGATCT	2013,4386,5571,6486
BsaI	GGTCTC	5405,2435(C),4239(C)
BsmBI	CGTCTC	4300,7749,914(C),4655(C),5735(C)
BspEI	TCCGGA	1704,1752
BsrDI	GCAATG	632,7076(C),7231(C)
BstBI	TTCGAA	6300
BstXI	CCANNNNNNTGG	1921,2239,2452,3064,3837,4831,5832,6982
BtsI	GCAGTG	214,7681,1133(C),3057(C),7594(C)
ClaI	ATCGAT	5139
EagI	CGGCCG	693,7032
EcoRI	GAATTC	3356
EcoRV	GATATC	2497,6091,7151
HindIII	AAGCTT	3035
HpaI	GTTAAC	501,4171
KasI	GGCGCC	4041,6816
KpnI	GGTACC	680
MluI	ACGCGT	230,8212
NcoI	CCATGG	1209,4257
NdeI	CATATG	7006
NheI	GCTAGC	239,505

NotI	GCGGCCGC	7032
NruI	TCGCGA	7390
PacI	TTAATTAA	7015
PstI	CTGCAG	1062,2093,2574,2921,3156,3255,4081,6084,6537
PvuI	CGATCG	692,7733
PvuII	CAGCTG	174,1495,1535,3524,4082,5284,5467,6538,6598,7146
SacI	GAGCTC	890,2385,2907,3054,4443
SacII	CCGCGG	780
SalI	GTCGAC	3876
SanDI	GGGWCCC	3841,5480
SpeI	ACTAGT	670
XbaI	TCTAGA	877
XhoI	CTCGAG	4094
XmaI	CCCGGG	4542,5114

No Cuts: AscI, MfeI, SfiI, SnaBI, SphI

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Sequence

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   1 CTTTCCTGCG TTATCCCCTG ATTCTGTGGA TAACCGTATT ACCGCCTTTG AGTGAGCTGA TACCGCTCGC
  71 CGCAGCCGAA CGACCGAGCG CAGCGAGTCA GTGAGCGAGG AAGCGGAAGA GCGCCCAATA CGCAAACCGC
 141 CTCTCCCCGC GCGTTGGCCG ATTCATTAAT GCAGCTGGCA CGACAGGTTT CCCGACTGGA AAGCGGGCAG
 211 TGAGCGCAAC GCAATTAATA CGCGTACCGC TAGCCAGGAA GAGTTTGTAG AAACGCAAAA AGGCCATCCG
 281 TCAGGATGGC CTTCTGCTTA GTTTGATGCC TGGCAGTTTA TGGCGGGCGT CCTGCCCGCC ACCCTCCGGG
 351 CCGTTGCTTC ACAACGTTCA AATCCGCTCC CGGCGGATTT GTCCTACTCA GGAGAGCGTT CACCGACAAA
 421 CAACAGATAA AACGAAAGGC CCAGTCTTCC GACTGAGCCT TTCGTTTTAT TTGATGCCTG GCAGTTCCCT
 491 ACTCTCGCGT TAACGCTAGC ATGGATGTTT TCCCAGTCAC GACGTTGTAA AACGACGGCC AGTCTTAAGC
 561 TCGGGCCCCA AATAATGATT TTATTTTGAC TGATAGTGAC CTGTTCGTTG CAACACATTG ATGAGCAATG
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 701 ACCATGCTGC GAGTCTTCAT CCTTTTTGCG GAGAATGTCC ACACCCCGGA CTCCGACATC AGCGATGCCT
 771 ACTGCTCCGC GGTGTTTGCA GGGGTAAAGA AGAGAACCAA AGTCATCAAG AACAGTGTGA ACCCCGTGTG
 841 GAATGAGGGC TTTGAGTGGG ACCTCAAAGG TATTCCTCTA GATCAGAGCT CAGAACTTCT CGTGGTGGTC
 911 AAGGACCATG AGACGATGGG AAGAAACAGG TTCCTGGGGG AAGCCAAGAT CCCACTCCAG GAGGTCCTTG
 981 CCACCCCCAG CCTCTCTGCC AGCTTCAACG CACCTCTGCT AGACGCCAAG CAGCAACCCA CGGGGGCCTC
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8751 GGGGGAAACG CCTGGTATCT TTATAGTCCT GTCGGGTTTC GCCACCTCTG ACTTGAGCGT CGATTTTTGT
8821 GATGCTCGTC AGGGGGGCGG AGCCTATGGA AAAACGCCAG CAACGCGGCC TTTTTACGGT TCCTGGCCTT
8891 TTGCTGGCCT TTTGCTCACA TGTT
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Only the synthesized DNA fragment (in red) has been sequence verified. We do not guarantee the vector sequence.

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