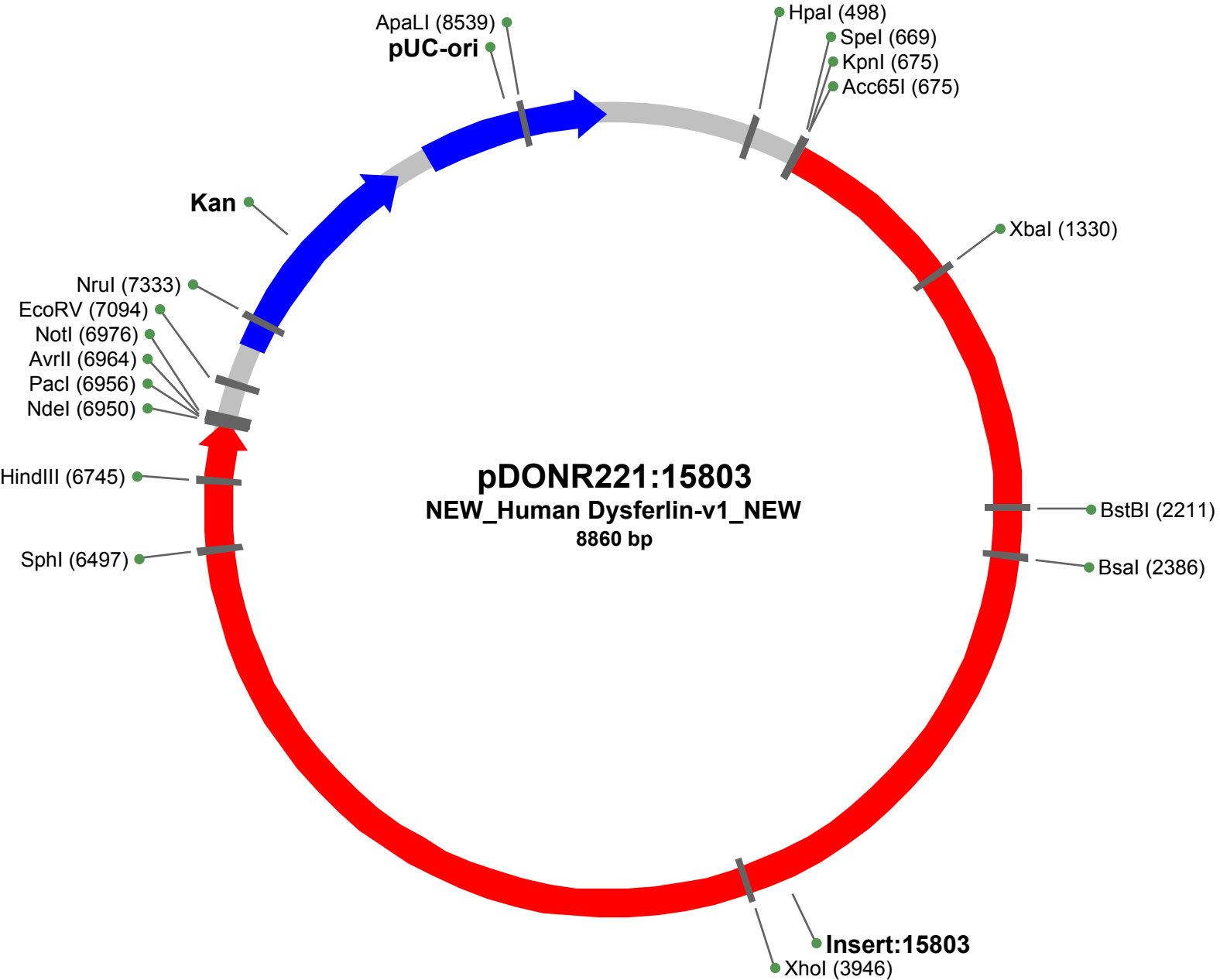


Plasmid Map

pDONR221:15803 - NEW_Human Dysferlin-v1_NEW

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

pDONR221 is a Gateway® vector



Original Author

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Feature Map

- Insert:15803 - Start:682 End:6971
- Kan - Start:7254 End:8063
- pUC-ori - Start:8183 End:8857

Restriction Map

Name	Sequence	Cut Positions
Acc65I	GGTACC	676
AlwNI	CAGNNNCTG	1682,2201,2875,2923,4358,5983,8445
Apal	GGGCCC	567,2265,4051,5939
ApaLI	GTGCAC	8540
Aval	CYCGRG	560,1243,1298,1598,3947,4188
AvrII	CCTAGG	6965
BamHI	GGATCC	1464,4596,5916
BbsI	GAAGAC	1185,1788,2018,3518,4019,4271,5073,5379,437(C),1852(C)
BglI	GCCNNNNNGGC	2795,3675,4938
BglII	AGATCT	1917,2001,4332,5517,6432
BsaI	GGTCTC	2381(C)
BsmBI	CGTCTC	4099,7695,917(C),5681(C)
BspEI	TCCGGA	1608,3505,4827
BsrDI	GCAATG	632,6360(C),7022(C),7177(C)
BstBI	TTCGAA	2213
BstXI	CCANNNNNNTGG	2398,2741,2911,3678,4378,4568,4777,6928
BtsI	GCAGTG	214,2807,7627,2045(C),7540(C)
Clal	ATCGAT	4923,5130
EagI	CGGCCG	693,3468,6978
EcoRV	GATATC	7097
HindIII	AAGCTT	6746
HpaI	GTTAAC	501
KasI	GGCGCC	1392,3239,3987,6762
KpnI	GGTACC	680
MluI	ACGCGT	230,8158
NdeI	CATATG	6952
NheI	GCTAGC	239,505
NotI	GCGGCCGC	6978
NruI	TCGCGA	7336
PacI	TTAATTAA	6961

PstI	CTGCAG	1065,1444,2197,2520,2867,3007,3102,4027,5478,6030,6057,6483
PvuI	CGATCG	692,7679
PvuII	CAGCTG	174,1399,2737,2839,2932,4028,4750,5230,5413,6344,6544,6945,7092
SacI	GAGCTC	2331,2853,3000,4533,4893
SalI	GTCGAC	5696,6065
SanDI	GGGWCCC	3787,5426
SpeI	ACTAGT	670
SphI	GCATGC	6502
XbaI	TCTAGA	1331
XhoI	CTCGAG	3947
XmaI	CCCGGG	1243,1298,4188

No Cuts: AgeI, AscI, EcoRI, MfeI, NcoI, SacII, SfiI, SnaBI

Sequence

1 CTTTCTGCG TTATCCCCTG ATTCTGTGGA TAACCGTATT ACCGCCTTTG AGTGAGCTGA TACCGCTCGC
71 CGCAGCGGAA CGACCCGCGA CAGCGAGTCA GTGAGCGAGG AAGCGGAAGA GCCCCCAATA CGCAAACCCG
141 CTCTCCCCCG GCGTTGGCCG ATTCATTAAT GCAGCTGGCA CGACAGGTTT CCCGACGTGA 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 GCAGTTCCTT
491 ACTCTCGCGT TAACGCTAGC ATGGATGTTT TCCCAGTCAC GACGTTGTAA AACGACGGCC AGTCTTAAGC
561 TCGGGCCCCA AATAATGATT TTATTTTGAC TGATAGTGAC CTGTTGTTG CAACACATTG ATGAGCAATG
631 CTTTTTTTATA ATGCCAACTT TGTACAAAAA AGCAGGCTCA CTAGTGGTAC CGTTTTAAACG ATCGGCCGCC
701 ACCATGCTGT GCTGCCTGCT GGTGAGGGCC AGCAACCTCC CCAGTGCAGG GAAGGACCGG CGCAGCGACC
771 CTGTGCGAAG CCTGACTTTC CGAGGGGTGA AGAAGAGAAC CAAAGTCATC AAGAACAGCG TGAACCTGT
841 ATGGAATGAG GGATTTGAAT GGGACCTCAA GGGCATCCCC CTGGACCAGG GCTCTGAGCT TCATGTGGTG
911 GTCAAAGACC ATGAGACGAT GGGGAGGAAC AGGTTCTTGG GGGAAGCCAA GGTCCCCTC CGAGAGTCC
981 TCGCCACCCC TAGTCTGTCC GCCAGCTTCA ATGCCCCCTT GCTGGACACC AAGAAGCAGC CCAGAGGGG
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1261 CCCAAGGAAA CTACCTTAC GTCCCTCCGC CCACTACCCC GGGATCAAAA GAAAGCAGG TGCGCCTACA
1331 TCTAGAAGC TGCTGTAGA CAAACCGCAG GATTTCCAGA TCAGGGTCCA GGTGATCGAG GCGCGCCAGC
1401 TGCCGGGGGT GAACATCAAG CCTGTGGTCA AGTTTACCAG TGCAGGGCAG ACCAAGCGGA GGCGGATCCA
1471 CAAGGGAAAC AGCCACTCT TCAATGAGAC TCTTTTCTTC AACTGTGTTG ACTCTCCTGG GGAGCTGTTT
1541 GATGAGCCCA TCTTTATCAC GGTGGTAGAC TCTCGTTCTC TCAGGACAGA TGCTCTCCTC GGGGAGTTCC
1611 GGATGGACGT GGGCACCATT TACAGAGAGC CCCGGCACGC CTATCTCAGG AAGTGGCTGC TGCTCTCAGA
1681 CCCTGATGAC TTCTCTGCTG GGGCCAGAGG CTACCTGAAA ACAAGCCTTT GTGTGCTGGG GCCTGGGGAC
1751 GAAGCGCCTC TGGAGGAAA AGACCCCTCT GAAGACAAGG AGGACATTGA AAGCAACCTG CTCGGGCCA
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7141 GGCAGCTCTG CCCCCTGTCT CAAAATCTCT GATGTTACAT TGCACAAGAT AAAATAATAT CATCATGAAC
7211 AATAAAACTG TCTGCTTACA TAAACAGTAA TACAAGGGGT GTTATGAGCC ATATTC AACG GAAACGTCCG
7281 AGGCCGCGAT TAAATCCAA CATGGATGCT GATTTATATG GGTATAAATG GGCTCGCGAT AATGTCGGGC
7351 AATCAGGTGC GACAATCTAT CGCTTGATG GGAAGCCCCG TGCGCCAGAG TTGTTTCTGA AACATGGCAA
7421 AGGTAGCGTT GCCAATGATG TTACAGATGA GATGGTCAGA CTAAACTGGC TGACGGAATT TATGCCCTT
7491 CCGACCATTA AGCAATTTAT CCGTACTCCT GATGATGCAT GATTACTCAC GTTTACTCAC CCCGAAAAA
7561 CAGCATTCCA GGTATTAGAA GAATATCCTG ATTCAGGTGA AAATATTGTT GATGCGCTGG CAGTGTTCCT
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7701 GCGCAATCAC GAATGAATAA CGGTTTGGTT GATGCGAGTG ATTTTGATGA CGAGCGTAAT GGCTGGCCTG
7771 TTGAACAAGT CTGGAAAGAA ATGCATAAAC TTTTGCCATT CTCACCGGAT TCAGTCGTCA CTCATGGTGA
7841 TTTCTCACTT GATAACCTTA TTTTTCACGA GGGGAAATTA ATAGGTTGTA TTGATGTTGG ACGAGTCGGA
7911 ATCGCAGACC GATACCAGGA TCTTGCCATC CTATGAACT GCCTCGGTGA GTTTTCTCCT TCATTACAGA
7981 AACGGCTTTT TCAAAAATAT GGTATTGATA ATCCTGATAT GAATAAATTG CAGTTTTCATT TGATGCTCGA
8051 TGAGTTTTTC TAATCAGAAT TGGTTAATTG GTTGTAACAC TGGCAGAGCA TTACGCTGAC TTGACGGGAC
8121 GGCGCAAGCT CATGACCAAA ATCCCTTAAC GTGAGTACG CGTCGTCCA CTGAGCGTCA GACCCCGTAG
8191 AAAAGATCAA AGGATCTTCT TGAGATCCTT TTTTCTGCG CGTAATCTGC TGCTTGCAA CAAAAAACC
8261 ACCGCTACCA GCGGTGGTTT GTTTGCCGGA TCAAGAGCTA CCAACTCTTT TTCCGAAGGT AACTGGCTTC
8331 AGCAGAGCGC AGATAACAAA TACTGTTCTT CTAGTGTAGC CGTAGTTAGG CCACCCTTC AAGAACTCTG
8401 TAGCACCGCC TACATACCTC GCTCTGCTAA TCCTGTTACC AGTGGCTGCT GCCAGTGGCG ATAAGTCGTG
8471 TCTTACCGGG TTGGACTCAA GACGATAGTT ACCGGATAAG GCGCAGCGGT CGGGCTGAAC GGGGGTTCG
8541 TGCACACAGC CCAGCTTGGA GCGAACGACC TACACCGAAC TGAGATACCT ACAGCGTGAG CTATGAGAAA
8611 GCGCCACGCT TCCCGAAGGG AGAAAAGCGG ACAGGTATCC GGTAAGCGGC AGGGTCGGAA CAGGAGAGCG
8681 CACGAGGGAG CTTCCAGGGG GAAACGCCTG GTATCTTTAT AGTCTGTCCG GTTTTCGCCA CCTCTGACTT
8751 GAGCGTCGAT TTTTGTGATG CTCGTCAGG GGGCGGAGC TATGGAAAAA CGCCAGCAAC GCGCCCTTTT
8821 TACGGTTCCT GGCCTTTTGC TGGCCTTTTG CTCACATGTT

Only the synthesized DNA fragment (in red) has been sequence verified. We do not guarantee the vector sequence.