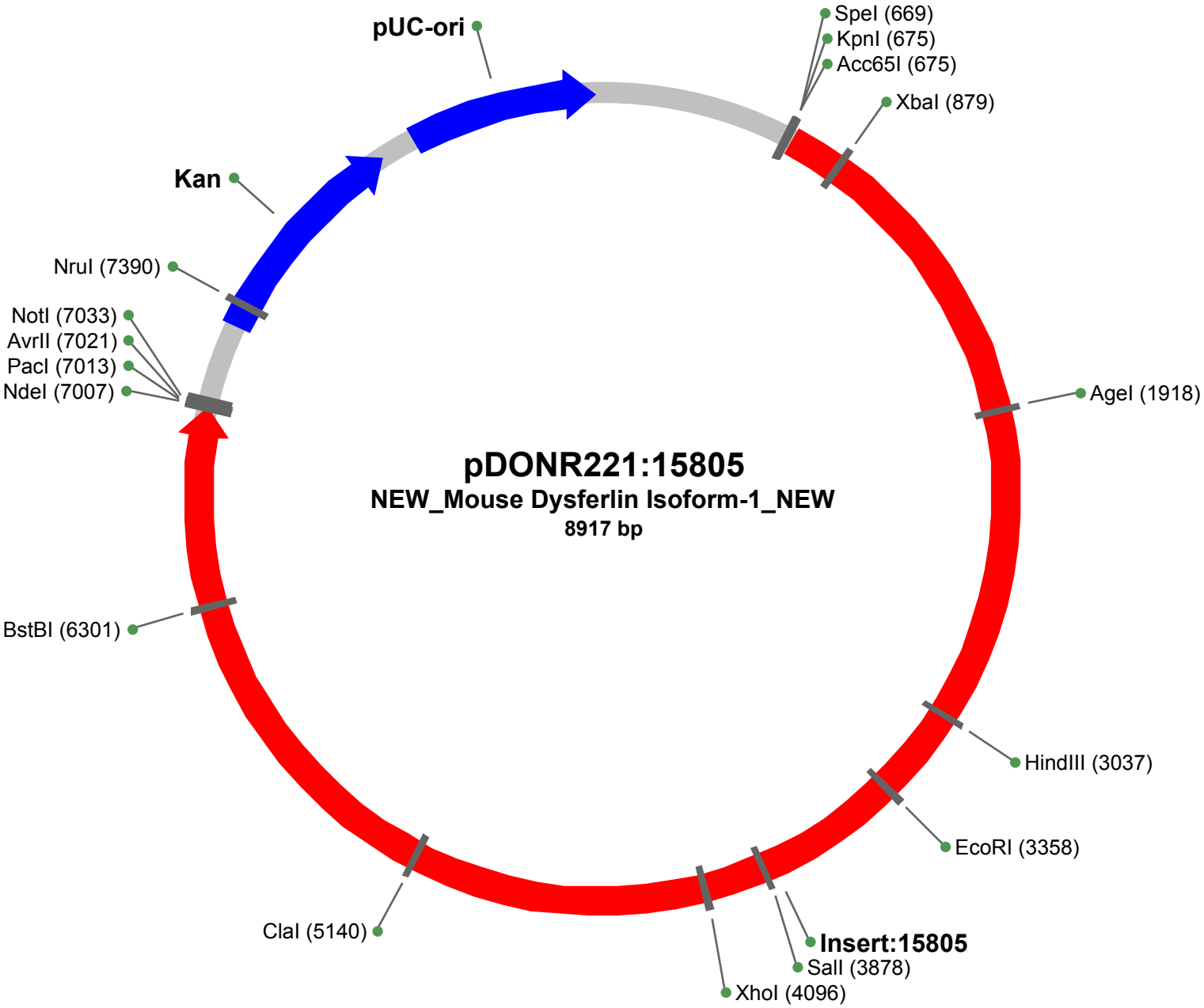
DNA 2.0

Plasmid Map

# pDONR221:15805 - NEW_Mouse Dysferlin Isoform-1_NEW

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

pDONR221 is a Gateway® vector





DNA2.0 Inc.
1430 OBrien Drive, Suite E
Menlo Park, CA, 94025

1-877-DNA-TOGO (Toll free)
1-650-853-8347 (Phone)
1-650-853-8351 (Fax)

info@dna20.com
www.dna20.com

**Original Author**

DNA2.0, Inc.
1430 OBrien Drive, Suite E
Menlo Park, CA 94025-1438
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**Feature Map**

- Insert:15805 - Start:682 End:7028
- Kan - Start:7311 End:8120
- pUC-ori - Start:8240 End:8914

**Restriction Map**

| Name | Sequence | Cut Positions |
|---|---|---|
| Acc65I | GGTACC | 676 |
| AgeI | ACCGGT | 1919 |
| AlwNI | CAGNNNCTG | 1091,1291,1541,2932,2980,3231,3243,8502 |
| ApaI | GGGCCC | 567,1343,2322,3224,3301,4108,5996 |
| ApaLI | GTGCAC | 6329,8597 |
| AvaI | CYCGRG | 560,2349,4097,4245,4545,5117,5452 |
| AvrII | CCTAGG | 7022 |
| BamHI | GGATCC | 1563,2053,6811 |
| BbsI | GAAGAC | 1278,1887,2117,2487,2766,3575,4076,4143,4328,6326,6656,437(C),6475(C) |
| BglI | GCCNNNNNGGC | 2888,3732,4995,6575 |
| BglII | AGATCT | 2016,4389,5574,6489 |
| BsaI | GGTCTC | 5408,2438(C),4242(C) |
| BsmBI | CGTCTC | 4303,7752,917(C),4658(C),5738(C) |
| BspEI | TCCGGA | 1707,1755 |
| BsrDI | GCAATG | 632,7079(C),7234(C) |
| BstBI | TTCGAA | 6303 |
| BstXI | CCANNNNNNTGG | 1924,2242,2455,3067,3840,4834,5835,6985 |
| BtsI | GCAGTG | 214,7684,1136(C),3060(C),7597(C) |
| ClaI | ATCGAT | 5142 |
| EagI | CGGCCG | 693,7035 |
| EcoRI | GAATTC | 3359 |
| EcoRV | GATATC | 2500,6094,7154 |
| HindIII | AAGCTT | 3038 |
| HpaI | GTTAAC | 501,4174 |
| KasI | GGCGCC | 4044,6819 |
| KpnI | GGTACC | 680 |
| MluI | ACGCGT | 230,8215 |
| NcoI | CCATGG | 1212,4260 |
| NdeI | CATATG | 7009 |
| NheI | GCTAGC | 239,505 |

| | | |
|---|---|---|
| NotI | GCGGCCGC | 7035 |
| NruI | TCGCGA | 7393 |
| PacI | TTAATTAA | 7018 |
| PstI | CTGCAG | 1065,2096,2577,2924,3159,3258,4084,6087,6540 |
| PvuI | CGATCG | 692,7736 |
| PvuII | CAGCTG | 174,1498,1538,3527,4085,5287,5470,6541,6601,7149 |
| SacI | GAGCTC | 893,2388,2910,3057,4446 |
| SalI | GTCGAC | 3879 |
| SanDI | GGGWCCC | 3844,5483 |
| SpeI | ACTAGT | 670 |
| XbaI | TCTAGA | 880 |
| XhoI | CTCGAG | 4097 |
| XmaI | CCCGGG | 4545,5117 |

No Cuts: AscI, MfeI, SacII, 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
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 561 TCGGGCCCCA AATAATGATT TTATTTTGAC TGATAGTGAC CTGTTCGTTG CAACACATTG ATGAGCAATG
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 701 ACCATGCTCT GTTGCTTGCT GGCAAGGGCC AGCAACCTCC CCAATGTGAA GAAGGACCGG CGCAGCGATC
 771 CAGTTGCCAG CCTGATTTTT CGAGGGGTAA AGAAGAGAAC CAAAGTCATC AAGAACAGTG TGAACCCCGT
 841 GTGGAATGAG GGCTTTGAGT GGGACCTCAA AGGTATTCCT CTAGATCAGA GCTCAGAACT TCTCGTGGTG
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1261 AGGAGGGGAG GAAGACACCG AGGACCAGGG CCTGACTGGA GATGAAGCTG AGCCGTTCCT GGACCAGAGT
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8821 TGTGATGCTC GTCAGGGGGG CGGAGCCTAT GGAAAAACGC CAGCAACGCG GCCTTTTTAC GGTTCCTGGC
8891 CTTTTGCTGG CCTTTTGCTC ACATGTT
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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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Menlo Park, CA, 94025

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