

Specifications:

Gene:	<i>hLYPD6</i>
Accession:	NP_919298
Insert size:	529bp
Concentration:	10µg at 0.2µg/µL

hLYPD6 cDNA Plasmid

**LYPD6 LY6/PLAUR domain
containing 6 [*Homo sapiens*
(human)]**

Summary:

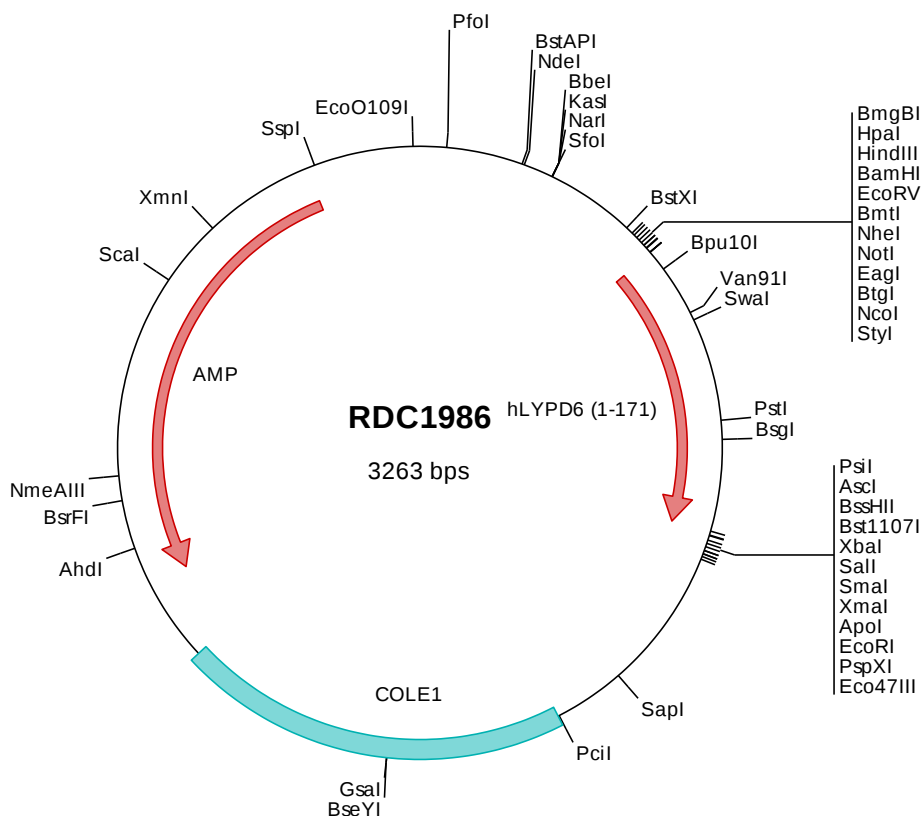
LYPD6 is a member of the LY6 protein family. It acts as a modulator of nicotinic acetylcholine receptors (nAChRs) function in the brain.

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC1986 Plasmid DNA Sequence

```

1   tcgcgcgcttt  cggatgatgac  ggtgaaaacc  tctgacacat  gcagctcccc  gagacggtca  cagcttgctc  gtaagcggat  gccgggagca  gacaagcccc
101  tcagggcgcg  tcagcgggtg  ttggcgggtg  tcggggctgg  ctttaactatg  cggcatcaga  gcagattgta  ctgagagtgc  accatatgcg  gtgtgaaata
201  ccgcacacgat  gcgtaaggag  aaaataccgc  atcaggcgcc  attcgccatt  caggctgcgc  aactgttggg  aagggcgatc  ggtgcgggcc  tcttcgctat
301  tacgccagct  ggcgaaagg  ggatgtgtg  caaggcgatt  aagttgggta  acgccagggt  tttcccagtc  acgacgttgt  aaaacgacgg  ccagtgaatt
401  ggagacgtgt  taacaagctt  ggatccgata  tcgctagcgc  ggccgcacc  atggaacctg  gccctgctct  ggccctggctc  ctgctcctga  gctgtgtggc
501  ggattgtctg  aaagctgctc  agtcccgaga  cttcacagtg  aaagacatta  tctacctoca  tccttcaacc  acaccataac  ctggttgatt  taaatgtttc
601  acctgtgaaa  aggcagcaga  caattatgag  tgcaaccgat  gggtccaga  catctactgc  cctcgagaga  ccagatactg  ctacactcag  cacacaatgg
701  aagtcacagg  aaacagtatc  tcagtcacca  aacgctgtgt  cccactggaa  gagtgtttat  ccactggctg  cagagactcc  gagcatgaag  gccacaaggt
801  ctgcactctc  tgttgtgaag  gaaatatctg  taacttgcca  ctgccccgaa  atgaaactga  tgccacattt  gccacgacgt  cacctataaa  tcagacaaat
901  gggaaccac  gctgtatgtc  agtgategtg  tctctgttgt  ggttgtgtgt  agggctcatg  ttataaaggc  gccccagtat  actctagagt  cgacaccgg
1001  ggaattcctc  gagcgctcgt  ctctagcttg  gcgtaatcat  ggtcatagct  gtttctgtg  tgaaattgtt  atccgctcac  aattccacac  aacatacgg
1101  ccggaagcat  aaagtgtaaa  gcttgggtg  cctaagtagt  gagctaactc  acattaattg  cgttcgctc  actgcccgt  ttccagtcgg  gaaacctgtc
1201  gtgccagctg  cattaatgaa  tcggccaacg  cgccggggaga  ggccggtttg  gtattgggag  ctcttcgctc  tcctcgtcga  ctgactcgct  gcgctcggtc
1301  gttcgggtgc  ggcgagcggt  atcagctcac  tcaaaaggcg  taatacgggt  atccacagaa  tcaggggata  acgcaggaaa  gaacatgtga  gcaaaaggcc
1401  agcaaaaggc  caggaaaccg  aaaaaggcgg  cgttgtctgg  gtttttccat  aggtccgccc  cccctgacga  gcatcacaaa  aatcgacgct  caagtacag
1501  gtggcgaaac  ccgacaggac  tataaagata  ccaggcggtt  cccctggaa  gctccctcgt  gcgctctcct  gttccgacct  tgccgcttac  cggataacctg
1601  tcgcgctttc  tcccttcggg  aagcgtggcg  ctttctcaat  gctcacgctg  tagtatctc  agttcggtgt  aggtcggtcg  ctccaagctg  ggctgtgtgc
1701  acgaaccccc  cgttcagccc  gaccgctcgg  ccttatccgg  taactatcgt  cttgagtcca  acccggtaa  acacgactta  tcgcoactgg  cagcagccac
1801  tggtaacagg  attagcagag  cgaggtatgt  aggcggtgct  acagagttct  tgaagtggg  gcctaactac  ggctacacta  gaaggacagt  atttggtatc
1901  tgcgctctgc  tgaagccagt  taccttcgga  aaaagagttg  gtagctcttg  atccggcaaa  caaaccaccg  ctggtagcgg  tggttttttt  gtttgcaagc
2001  agcagattac  gcgcagaaaa  aaaggatctc  aagaagatcc  tttgatcttt  tctacggggt  ctgacgctca  gtggaacgaa  aactcaggtt  aagggatttt
2101  ggtcatgaga  ttatcaaaaa  ggaatctcac  ctatagctct  ttaaatataa  aatgaagttt  taaatcaatc  taaagtatat  atgagtaaac  ttggtctgac
2201  agttaccaat  gcttaatcag  tgaggcacct  atctcagcga  tctgtctatt  tcgttcatcc  atagttgect  gactccccgt  cgtgtagata  actacgatac
2301  gggagggctt  accatctggc  cccagtgctg  caatgatacc  gcgagaccca  cgctcaccgg  ctccagattt  atcagcaata  aaccagccag  ccggaaggcc
2401  cgagcgcaga  agtggctcgt  caactttatc  cgctccatc  cagtctatta  attgttgccg  ggaagctaga  gtaagtagtt  cgccagttaa  tagtttgcc
2501  aacgttgttg  ccattgtctac  aggcacgtg  gtgtcacgct  cgtcgtttgg  tatggcttca  ttcagctccg  gttcccaacg  atcaaggcga  gttacatgat
2601  ccccatgtt  gtgcaaaaa  gcggttagct  ccttcgggtc  tccgatcgtt  gtcagaagta  agttggccgc  agtgttatca  ctcatggtta  tggcagcact
2701  gcataattct  cttactgtca  tgccatccgt  aagatcgttt  tctgtgactg  gtgagtactc  aaccaagtca  ttctgagaa  agtgtatg  ggcagcgagt
2801  tgctcttgcc  cggcgtaaat  acgggataat  accgcgccac  atagcagaac  tttaaaagt  ctcactattg  gaaaacgttc  ttcggggcga  aaactctcaa
2901  ggatcttacc  gctgttgaga  tccagttcga  tgtaacccac  tcgtgcaccc  aactgatctt  cagcatcttt  tactttcacc  agcgtttctg  ggtgagcaaa
3001  aacaggaagg  caaaatgccg  caaaaagggg  aataaggcgg  acacggaaat  tttgataact  catactcttc  ctttttcaat  attattgaag  catttatcag
3101  ggttattgtc  tcatgagcgg  atacatattt  gaatgtattt  agaaaaataa  acaaataagg  gttccgcgca  catttccccg  aaaagtgcc  cctgacgtct
3201  aagaaacat  tattatcatg  acattaacct  ataaaaatag  gcgtatcacg  aggccctttc  gtc

```

> RDC1986 Translated Insert Sequence

```

1   mepgpawlw 1llslladcl kaaqsrdfvt kdiilyhpst tpypggfkcf tcekaadnye cnrwapdiyc pretrycytq htmvctgnsi svtkrcvple
101  eclstgcrds ehghkvctcs ccegnicnlp lprnetdatf attspinqtn ghprcmvsvi sclwlwlgml 1

```