

## Product datasheet for MC206211

### Lypd6 (BC070462) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Lypd6 (BC070462) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lypd6
Synonyms:	E130115E03Rik
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

#### Fully Sequenced ORF:

>BC070462  
CGAGCATCCCGGGTTCAGATTTGAGACTCTAGGAAAGTCTGTGTCAATTACCAGGTTGTGGCTTTCTGC  
AGGAGCACAGTACAAATCCTTGACCTTGCTGAGGTGCGGGATGGGAAATGCACAGAATCGTCTTGCAT  
TCTCTACCACATCCACTCGACAGCGCAGAGCCCTGAGTGCCAGTTCTCTTCCACCGTCTCAAGTGCCCA  
CTCTGAGGCCCTCTGTATGAGTGACACGCCAGTCTGCCATGGAACCTAGCCCTGCCTGGCTGGCTCCT  
ACTGCTGAGCCTGGTGGCTGATTGTCTGAAGGCTGCTCAGTCCCAGACTTACAGTGAAAGACATAATC  
TACCTCCACCCTCAACCACTCCGTATCCTGGTGGTTTAAAGTGTTCACCTGTGAGAAAGCAGCAGACA  
ATTATGAATGCAACCGATGGGCTCCTGACATCTACTGCTCAGACACCAGATACTGCTACACTCAGCA  
CACGATGGAAGTCACAGGGAACAGCATCTGTCCACAAACGCTGTGTCCCGCTGGAGGAGTGCTTATCC  
ACAGGCTGCCGAGACTCAGAGCACGAAGGCTACAAGATCTGCACCTCCTGCTGTGAAGGAAATATCTGTA  
ATCTACCCTCCCTCGAAATGAAACTGATGCCACATTTGCTACCACATCACCTATAAACCAGACGAATGG  
GCACCCACTGTGTTTCAGTGATCGTGTCTGCTTGTGGGTGTGGCTGGGACTCACCTTATAATAACCC  
TTTCTCTACCAAAATGTAGATGAGCTCTGTGGGTTTCCCATGGCCATAGTCATGCATGAAGTCATTG  
GCTTGGCAGTAGTGACACAACACAATCAGACAAACCCAGACGTCATCGCAGCCACCCATTAATTACCAT  
TAACCATGAAGAACAAGCATTGCTTCCATGCTGTCATTCCAGCCTAGCTACAACCCATCAGATCAGC  
CTGTCCCCCAATAGATACAGACCCTGATTTCTATACTACAAACCTGTGATTTCACTCCAAGAAAGAGT  
TCTGCATTTAATGTCTGGGTTCTTGCTTCAGAATCCATGCATGAGCTGCAGGAGGCCCTGGACCT  
CTGAGGAATAAGCTATGGATGCAGGAGGTATCGTTCTTTTCAGGAAAAGAGTAAAGAACCATTGACTTAA  
TTGCAATCACACCTGCACCTATAGCTTTAGAAGTTTAAACTTTAAATCCAAAATAAATGGAATAGTTTC  
TTTGAGATTATGATGGAGTCCCGGAAAGAGTTGAAAGAAGCTTTGCTCAATTTAATTTCCCGAGTCTCCTT  
ATCTTAAACATTGGGAAATGTGTTCTTCTGCTCTTTGTAGATGTTTTTTAAAAAGGCAATTATAAAAGT  
TTGTTGATTTGTAGGAGTGAAGAGAGAAAGAGTTCTCCAACCTGATGAAATTAGCATCCACAAGATAA  
TGTTATCCCTTCTATAACTGGGAGATTGGCCTTGACTCAGTTGCTAATTATGCTTCTGAGTGCCAGG  
ATTCCAGCTGGACCAGCAGGATTATTTCTCCAGGTGTTGCATTCTAGTCAGATATAGCTGATGTAGTCA  
GAGAGAGGACTTCAGAATAAAAGGAAGCTTTCTGGAGGTTAGTCCTAGCTCATTGGAAGGCTCCGAAAT  
GGCTAAGCAAAATCCTTCTCTTCCACAGTATTTACTGGCACAGAGCTGTCTCCTTCCACAACCACAGT  
GACTTTAAAGAGAAAGCTCTGGGTTAATTCTCAGTAGATCAATAAGATAAGAGCACACTTGTGCTAGGG



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TGAGAAAAAGATAGATTGTAAGTAGTATGGTGGTCTAAGGAGTACGTTTTGTTTCTCTGCTACTGTTT  
 TTGAAGAAGAAAAGACTTTCATTGTCTTTCATGTATTTTTTAACTAAAAAATTGTGTTTGTCTTCTC  
 TCCTATGTAAATCTTTAAATGACATTTATTTTTGTATGGTATAAACTGAAAATATATTCAAAAAAGAA  
 TTCTTTCTTTTTGTTTTCTGAACAAAATACAGTTAGAATGCTTGCTTCAAGAGCGGTAGGGATGCTG  
 ACCATGGTAGGATTCCTGACCATGGGAAGTTATCTGTGTTCCCTGACTGATGCTGAAAAATGTTACTGTG  
 CTATGGACAAGAGATGTGCATTTGCCTCAAGGGTTTACTCATTGTTTTCCAGAAATGTTGCCAAGAA  
 AGATTCAAGTGGAGGCCATCACTGGTGTGATAGTCTTTCAGGGCTGTGAGGTGTGCCACAGGGAACCT  
 GGCAGAGCTATGTCTTGAAGAGGCAATGATGTTAAAATATATCTGCTGCACAGGGAACCTTAGCTTA  
 AATTAGAACCCCGCTCAGGCACCAATCTGAACCGACGGCAGAAAATCTGATGCAAGTCATTGAAGTTTC  
 ATCACACAGCCTTAATGAAGAGTTTGGCAGGCTTATCAATTTCTTGCTTATAACTGCGGATGGGAGAGCA  
 GGAGAGAAAGACCTGTAATAAGCACCTTATGTGCCAGCACCTTGCTAAGCACTTTACATAGTTAGGC  
 CATATAACCGTACATCAATTCTGTAAGAACAGAACATATTGATGTGTACAAAATGAAGATCCCAAGGCTCA  
 AAGAAGTTTGATAAATGAAGCCTTTTCTCAGATTTAGTTTATGTGGGATGTGACATGTTTAAAAAGAA  
 AGAAAAAAGAACTGGGGGAGGGGGCTGGAATTTCTCAGCTAGGAAAACCTCTAGGCTGACTTTCATGG  
 GAATTTCCCATCTTATCATGTAGAACATATCCTGCTTCTCAGGATGACATTTGCATGTGTCCCCTGTG  
 ACTTTTTCTTTGGGAATAAAGTTATAGCTTCTTATTTATCCTCTGGTAAAGAGAGGAGATAGTTGATC  
 TTGCATCTAAAGATGCTATAAGACAATTAGAATTTGATGTTGTACATGTCTACAAGTACCGTTTTTATGC  
 ATGGTCACATTCTACTGACATTTGCCAAGTCTGCATGCAATCTGAACAAGAGACAAGGGACTGACCACAC  
 AAGAGCCTCCCTGGCTGGTTTTTCAGGGATTGGGTTCTCAAAGGTATAGGCTGTCTCACCTGGGGAGTAG  
 TGCCAGCCACAGTACACATGTGCTGCACACATCCATACTGCCTTTCAAATATCTTTTTAATTCTCTTGA  
 AAGAATATGGATTTGCTCACCACCCAGCCTCAAGAAGCCAAGGAGGGACCATTCTGTAGAAGGTCCA  
 GGACTAGTTACCCATGTGACTGTTGTCACTTTAACTTCCATTAAACCTCACCATTGGTGATGGCTTAA  
 AATGCAAAGAGCCATGATGTATATTAACCTATGTTCTACATATTTATTTTTAGACTTTCTCCAACATC  
 CATGTTAGTATGGGATTAATGCCTAAATGTAATATTGTACACTTTGTAATCAATGAATAAAGATTTTA  
 AGTGTGTTTTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

- Restriction Sites:** Ascl-NotI
- ACCN:** BC070462
- Insert Size:** 516 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
  2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
  3. Close the tube and incubate for 10 minutes at room temperature.
  4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
  5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
- RefSeq:** [BC070462](#), [AAH70462](#)
- RefSeq Size:** 3547 bp
- RefSeq ORF:** 516 bp

**Locus ID:** 320343

**Cytogenetics:** 2 C1.1

**Gene Summary:** Acts as a modulator of nicotinic acetylcholine receptors (nAChRs) function in the brain. Enhances nicotine-induced Ca(2+) influx through nAChRs (PubMed:19403274). Acts as a positive regulator of Wnt/beta-catenin signaling (By similarity).[UniProtKB/Swiss-Prot Function]