

## Product datasheet for MC211344

### Lypd1 (NM\_145100) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Lypd1 (NM_145100) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lypd1
Synonyms:	2700050C12Rik; AI853408; C530008O16Rik; Lynx2; Lypdc1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC211344 representing NM_145100 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGC**C

ATGTGGGTTCTCGGCATCGCAGCAACTTTTTCGGATTGTTCTGGCTTCCAGGGCTGGCGCTGCAAATTC  
 AGTGCTACCAAGTGAAGAATTCAGCTGAACAACGATTGCTCATCCCCTGAGTTCATCGTAAATTGCAC  
 CGTGAACGTTCAAGACATGTGTGAGAAAGAGTATGGAGCAAGTCTGGGATCATGTACCGAAGTCG  
 TGTGCATCGTCAGCAGCTGTCTATTGCTTCAGCTGGGTACCACTCCTTCTGTTCCCCTGGAAACTGA  
 ACTCCGTGTGCATCAGCTGCTGCAACACCCCTCTTGCAATGGGCCGAGGCCCAAGAAGAGAGGCAGCTC  
 TGCCTCGGCCATCAGGCCAGGGCTTCTACCACTCTCTGTTCTTCCACTTAGCCCTCTGCTTGGCACAC  
 TGCT**GA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_145100
Insert Size:	426 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).


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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u>NM_145100.4, NP_659568.2</u>
<b>RefSeq Size:</b>	6480 bp
<b>RefSeq ORF:</b>	426 bp
<b>Locus ID:</b>	72585
<b>UniProt ID:</b>	<u>Q8BLC3</u>
<b>Cytogenetics:</b>	1 E3
<b>Gene Summary:</b>	<p>Believed to act as a modulator of nicotinic acetylcholine receptors (nAChRs) activity. In vitro increases receptor desensitization and decreases affinity for ACh of alpha-4:beta-2-containing nAChRs (PubMed:19246390). May play a role in the intracellular trafficking of alpha-4:beta-2 and alpha-7-containing nAChRs and may inhibit their expression at the cell surface (PubMed:26276394, PubMed:25716842). May be involved in the control of anxiety (PubMed:19246390).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>