

# Product datasheet for MR200904

### Lypd1 (NM\_145100) Mouse Tagged ORF Clone

#### **Product data:**

#### OriGene Technologies, Inc.

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Product Type:	Expression Plasmids
Product Name:	Lypd1 (NM_145100) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lypd1
Synonyms:	2700050C12Rik; Al853408; C530008O16Rik; Lynx2; Lypdc1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR200904 representing NM_145100 Red=Cloning site Blue=ORF Green=Tags(s)
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGCC</mark>
	ATGTGGGTTCTCGGCATCGCAGCAACTTTTTGCGGATTGTTCTGGCTTCCAGGGCTGGCGCTGCAAATTC AGTGCTACCAGTGTGAAGAATTCCAGCTGAACAACGATTGCTCATCCCCTGAGTTCATCGTAAATTGCAC CGTGAACGTTCAAGACATGTGTCAGAAAGAAGTGATGGAGCAAAGTGCTGGGATCATGTACCGGAAGTCG TGTGCATCGTCAGCAGCCTGTCTCATTGCTTCAGCTGGGTACCAGTCCTTCTGTTCCCCTGGGAAACTGA ACTCCGTGTGCATCAGCTGCTGCAACACCCCTCTTTGCAATGGGCCGAGGCCCAAGAAGAGAGGGCAGCTC TGCCTCGGCCATCAGGCCAGGGCTTCTCACCACTCTCTGTTCTCCACTTAGCCCTCTGCTTGGCACAC TGC
	ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG <b>GTTTAA</b>
Protein Sequence:	>MR200904 representing NM_145100 <mark>Red</mark> =Cloning site Green=Tags(s)
	MWVLGIAATFCGLFWLPGLALQIQCYQCEEFQLNNDCSSPEFIVNCTVNVQDMCQKEVMEQSAGIMYRKS CASSAACLIASAGYQSFCSPGKLNSVCISCCNTPLCNGPRPKKRGSSASAIRPGLLTTLLFFHLALCLAH C
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Chromatograms:	https://cdn.origene.com/chromatograms/mm9026_a01.zip



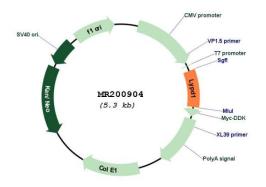
This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

Components:       The operation of the squeeter of this clone aligns with the gene accession number as a point of reference on U. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info         DTI Disclaimer:       The ORE clone is ion-reach, dried to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.         DTI Annotation:       The ORE clone is ion-reach, dried to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.         DTI Annotation:       The ORE clone is ion-reach, dried to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.         DTI Annotation:       1. Centrifuge at 5.000xg for 5min.         2. Carefully open the tube and dincubate for 10 minutes at room temperature.       3. Close the tube and incubate for 10 minutes at room temperature.         3. Diseleverte 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 the bipping when store at -20°C.         RefSeq:       M.M 1451004, NP 659568.2       2047 bp		ypd1 (NM_145100) Mouse Tagged ORF Clone – MR200904
Adding Scheinle.       Image: Control of the second s	Restriction Sites:	Sgfl-Mlul
Image: Description of the output of the o	Cloning Scheme:	Sgfi ORF Miul
are too an a wet but here out the bit or the bit of the b		EcoRI       BamHI Kpn I       RBS       Sgfi         CTATAGGGCGGGCGGAATTCGTCGGCCGGTACCGGAGGGAG
ACCN:NM_145100DRF Size:423 bpDTI Disclaimer:The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More infoDTI Annotation:This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.DTI Annotation: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:NM 145100.4, NP 659568.2RefSeq Size:2047 bpRefSeq ORF:426 bp		GAT CTG GCA GCA AAT GAT ATC CTG GAT TAC AAG GAT GAC GAC GAC GAT AAG GTT TAA ACGGCCGGCC D L A A N D I L <u>D Y K D D D K V stop</u>
DRF Size:423 bpDTI Disclaimer:The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing 		
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RefSeq ORF: 426 bp	RefSeq:	<u>NM 145100.4, NP 659568.2</u>
	RefSeq Size:	
.ocus ID: 72585	RefSeq ORF:	426 bp
	Locus ID:	72585

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	Lypd1 (NM_145100) Mouse Tagged ORF Clone – MR200904
UniProt ID:	<u>Q8BLC3</u>
Cytogenetics:	1 E3
MW:	15.7 kDa
Gene Summary:	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]

## Product images:



Circular map for MR200904

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