

Product datasheet for **SC120737**

LYPD1 (NM_144586) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LYPD1 (NM_144586) Human Untagged Clone
Tag:	Tag Free
Symbol:	LYPD1
Synonyms:	LYPDC1; PHTS
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_144586, the custom clone sequence may differ by one or more nucleotides

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ATGTGGGTCTAGGCATCGCGGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGCGCTGCAAATCC
AGTGCTACCAGTGTGAAGAATTCAGCTGAACAACGACTGCTCCTCCCCGAGTTCATTGTGAATTGCAC
GGTGAACGTTCAAGACATGTGTGAGAAAGAGTATGGAGCAAAGTGCCGGGATCATGTACCGCAAGTCC
TGTGCATCATCAGCGGCCTGTCTCATCGCCTCTGCCGGGTACCAGTCCTTCTGCTCCCCAGGAAACTGA
ACTCAGTTTGCATCAGCTGCTGCAACACCCTCTTTGTAACGGGCCAAGGCCAAGAAAAGGGGAAGTTC
TGCCTCGGCCCTCAGGCCAGGGCTCCGCACCACCATCCTGTTCTCAAATTAGCCCTCTTCTCGGCACAC
TGCTGA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_144586 unedited GTAATTCGGCACGAGGGCCAACCTCCGGAGGCGCGGTGCTCGGCCCGGGAGCGCGAGCGGG AGGAGCAGAGACCCGAGCCGGGAGCCCAGCGCGGGCGATGCAGGCTCCGCGAGCGGCA CCTGCGGCTCCTTAAGCTACGACCGTCGTCTCCGCGGCAGCAGCGCGGGCCCCAGCAGC CTCGGCAGCCACAGCCGCTGCAGCCGGGCGAGCCTCCGCTGCTGTGCCTCCTCTGATGC GCTTGCCTCTCCCGGCCCGGGACTCCGGGAGAATGTGGGTCTAGGCATCGCGGCAAC TTTTTCGGGATTGTTCTTGCTTCCAGGCTTTGCGCTGCAAAATCCAGTGCTACCAGTGTGA AGAATTCAGCTGAACAACGACTGCTCCTCCCGAGTTCAATTGTGAATTGCACGGTGAA CGTTCAAGACATGTGTCAGAAAGAAGTGATGGAGCAAAGTGCCGGGATCATGTACCGCAA GTCCTGTGCATCATCAGCGGCTGTCTCATCGCCTCTGCCGGGTACCAGTCCTTCTGCTC CCCAGGGAAACTGAACTCAGTTTGCATCAGCTGCTGCAACACCCCTCTTTGTAACGGGCC AAGGCCAAGAAAGGGNGAAGTTCTGCCTCGGCCCTCAGGCCAGGGCTCCGCACCACCAT CCTGTTCTCNATTAGCCCTCTTCTCGGCCACTGCTGACTGNAGNAGAAAAGNCCCACCC CCTCTGCATTGGNNTTNCAGGCCCTTGCCCCAACCCCACTNNCTGGAAGGAGTTCT TCCGGGGGTCTTTTATTCTGGGTAAGGAGCGGGAAGTCCCGGTCTCTTTTTGTCTG TGCAAATATGAAAGAAGCTCGTAAAGCATTCTGAATAAAATCAGCCTGACTGAA
Restriction Sites:	NotI-NotI
ACCN:	NM_144586
Insert Size:	2500 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:	<ol style="list-style-type: none"> 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_144586.3 , NP_653187.2
RefSeq Size:	2683 bp
RefSeq ORF:	498 bp
Locus ID:	116372
UniProt ID:	Q8N2G4
Cytogenetics:	2q21.2
Protein Families:	Druggable Genome, Transmembrane

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. 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. May be involved in the control of anxiety.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the longer transcript and it encodes the longer protein (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.