

## Product datasheet for **SC320440**

### 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:** Neomycin  
**Vector:** pCMV6-AC (PS100020)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_144586.5  
CCGGAGGCGCGGTGCTCGGCCCGGGAGCGGAGCGGGAGGAGCAGAGACCCGAGCCGGG  
AGCCCGAGCGCGGGCGATGCAGGCTCCGCGAGCGGCACCTGCGGCTCCTCTAAGCTACGA  
CGGTCGTCTCCGCGGCAGCAGCGGGGCCAGCAGCCTCGGCAGCCACAGCCGCTGCAG  
CCGGGGCAGCCTCCGCTGCTGTCGCTCCTCTGATGCGCTTGCCCTCTCCCGGCCCGGG  
ACTCCGGGAGAATGTGGGTCTAGGCATCGCGGCAACTTTTTGCGGATTGTTCTTGCTTC  
CAGGCTTTGCGTGCAAATCCAGTGCTACCAGTGTGAAGAATCCAGCTGAACAACGACT  
GCTCCTCCCCGAGTTTATTGTGAATTGCACGGTGAACGTTCAAGACATGTGCAGAAAG  
AAGTGATGGAGCAAAGTGCCGGATCATGTACCGAAGTCTGTGCATCATCAGCGGCT  
GTCTCATCGCTCTGCCGGTACCAGTCTTCTGCTCCCCAGGAACTGAACTCAGTTT  
GCATCAGCTGCTGCAACACCCCTCTTTGTAACGGGCCAAGGCCAAGAAAAGGGGAAGTT  
CTGCCTCGGCCCTCAGGCCAGGGCTCCGCACCACCATCCTGTTCCCTCAAATTAGCCCTCT  
TCTCGGCACACTGCTGAAGCTGAAGGAGATGCCACCCCTCCTGCATTGTTCTTCCAGCC  
CTCGCCCCAACCCCACTCCCTGAGTGAGTTTCTTCTGGGTGCTCTTTATTCTGGG  
TAGGGAGCGGGAGTCCGTGTTCTTTTGTTCCTGTGCAAATAATGAAAGAGCTCGGTAA  
AGCATTCTGAATAAATTCAGCCTGACTGAATTTTCAGTATGTACTTGAAGGAAGGAGTG  
GAGTGAAAGTTCACCCCAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire  
**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).



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<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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>	<a href="#">NM_144586.5</a> , <a href="#">NP_653187.3</a>
<b>RefSeq Size:</b>	2683 bp
<b>RefSeq ORF:</b>	426 bp
<b>Locus ID:</b>	116372
<b>UniProt ID:</b>	<a href="#">Q8N2G4</a>
<b>Cytogenetics:</b>	2q21.2
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<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. 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]</p> <p>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.</p>