

## Product datasheet for **SC107028**

### LYPD6B (NM\_177964) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LYPD6B (NM_177964) Human Untagged Clone
Tag:	Tag Free
Symbol:	LYPD6B
Synonyms:	CT116; LYPD7
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_177964 edited ATGTTGCTGATTACTCTGAGTGCAAACCTTTTCACTGTTCCAGAGAGGAGCCTGACAACC ACATTCTCCTTCTCAAGATATAAGAGTTCGGACCGCCAGCACACAAGGTCAGCATGCTG CTCCTCTGTACGCTCTCGCTATAGCTGTTGTCCAGATCGTTATCTTCTCAGAAAAGCTGG GCATTTGCCAAGAACATCAACTTCTATAATGTGAGGCCTCCTCTCGACCTACACCATT CCAAATAGCTTCAAGTGCTTTACTTGTGAAAACGCAGGGGATAATTATAACTGCAATCGA TGGGCAGAAGACAAATGGTGTCCACAAAATACACAGTACTGTTTGACAGTTCATCACTTC ACCAGCCACGGAAGAAGCACATCCATCACCAAAAAGTGTGCCTCCAGAAGTGAATGTCAT TTTGTGCGTTGCCACCACAGCCGAGATTCTGAACATACGGAGTGTAGGTCTTGCTGTGAA GGAATGATCTGCAATGTAGAATTACCCACCAATCACACTAATGCAGTGGTTGCCGTAATG CACGCTCAGAGAACATCTGGCAGCAGTGCCCCCACACTTACCTACCAGTGGCTTGCTGG GTCTTTGTGCTTCCATTGCTGTGA
Restriction Sites:	NotI-NotI
ACCN:	NM_177964
Insert Size:	800 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).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_177964.3.



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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_177964.3, NP_808879.2</u>
<b>RefSeq Size:</b>	1600 bp
<b>RefSeq ORF:</b>	624 bp
<b>Locus ID:</b>	130576
<b>UniProt ID:</b>	<u>Q8NI32</u>
<b>Cytogenetics:</b>	2q23.2
<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 acts on nAChRs in a subtype- and stoichiometry-dependent manner. Modulates specifically alpha-3(3):beta-4(2) nAChRs by enhancing the sensitivity to ACh, decreasing ACh-induced maximal current response and increasing the rate of desensitization to ACh; has no effect on alpha-7 homomeric nAChRs; modulates alpha-3(2):alpha-5:beta-4(2) nAChRs in the context of CHRNA5/alpha-5 variant Asn-398 but not its wild-type sequence.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a). Variants 1 and 2 both encode the same isoform (a).</p>