

## Product datasheet for **SC116381**

### LANCL1 (NM\_006055) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LANCL1 (NM_006055) Human Untagged Clone
Tag:	Tag Free
Symbol:	LANCL1
Synonyms:	GPR69A; p40
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC116381 sequence for NM_006055 edited (data generated by NextGen Sequencing)

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ATGGCTCAAAGGCCTTCCCGAATCCTTATGCTGATTATAACAAATCCCTGGCCGAAGGC
TACTTTGATGCTGCCGGGAGGCTGACTCCTGAGTTCTCACAACGCTTGACCAATAAGATT
CGGGAGCTTCTTACGAAATGGAGAGAGGCCTGAAATCAGCAGACCCCTCGGGATGGCACC
GGTTACACTGGCTGGGCAGGTATTGCTGTGCTTTACTTACATCTTTATGATGATTTGGG
GACCCTGCCTACCTACAGTTAGCACATGGCTATGTAAAGCAAAGTCTGAACTGCTTAACC
AAGCGCTCCATCACCTTCTTTGTGGGGATGCAGGCCCTGGCAGTGGCCGCTGTGCTA
TATCACAAGATGAACAATGAGAAGCAGGCAGAAGATTGCATCACACGGCTAATTCACCTA
AATAAGATTGATCCTCATGCTCCAAATGAAATGCTCTATGGGCGAATAGGCTACATCTAT
GCTCTTCTTTTTGTCAATAAGAAGCTTTGGAGTGGAAAAGATTCTCAAAGCCATATTCAG
CAGATTTGTGAAACAATTTAACCTCTGGAGAAAACCTAGCTAGGAAGAGAACTTCACG
GCAAAGTCTCCACTGATGTATGAATGGTACCAGGAATATTATGTAGGGGCTGCTCATGGC
CTGGCTGGAATTTACTACTGATGCAGCCAGCCTTCAAGTGAGCCAAGGGAAGTTA
CATAGTTTGGTCAAGCCAGTGTAGACTACGTCTGCCAGCTGAAATTCCTTCTGGCAAT
TACCCTCCATGTATAGGTGATAATCGAGATCTGCTTGCCATTGGTGCCATGGCGCCCT
GGGGTAATCTACATGCTCATCCAGGCCTATAAGGTATTAGAGAGGAAAAGTATCTCTGT
GATGCCTATCAGTGTGCTGATGTGATCTGGCAATATGGGTTGCTGAAGAAGGGATATGGG
CTGTGCCACGGTTCTGCAGGGAATGCCTATGCCTTCTGACACTACAACCTCACACAG
GACATGAAGTACCTGTATAGGGCCTGTAAGTTTGTGCTGAATGGTGTAGAGTATGGAGAA
CATGGATGCAGAACACAGACACCCCTTCTCTCTTTGAAGGAATGGCTGGAACAATA
TATTTCTGGCTGACCTGCTAGTCCCCACAAAAGCCAGGTTCCCTGCATTTGAACTCTGA
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Clone variation with respect to NM\_006055.2



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_006055 unedited  CACATTTTGTATACGACTCACTATAGGCGGCCCGCAATTCGCACGAGGCCAGGGCCGA  GAAGGGCTTCAGGACGCGGGAGGCGCACTTGCTTCAAGTCGCGGGCGTGGGAACGGGGTT  GCAAAACGGGGCCTCTTTATCCGGGCTTGCTTCCGGCGTCATGGCTCAAAGGGCCTTCCC  GAATCCTTATGCTGATTAAACAAATCCCTGTCCGAAGGCTACTTTGATGCTGCCGGGAG  GCTGACTCCTGAGTTCTCACAACGCTTGACCAATAAGATTCGGGAGCTTCTTCAGCAAAT  GGAGAGAGGCTGAAATCAGCAGACCCTCGGGATGGCACCGGTTACACTGGCTGGGCAGG  TATTGCTGTGCTTACTTACATCTTTATGATGATTTGGGGACCCTGCCTACCTACAGTT  AGCACATGGCTATGTAAGCAAAGTCTGAACTGCTTAACCAAGCGCTCCATCACCTTCT  TTGTGGGGATGCAGGCCCTTGCGAGTGGCCGCTGTGCTATATCACAAGATGAACAATGA  GAAGCAGGCAGAAGATTGCATCACACGGCTAATCACCTAAATAAGATTGATCCTCATGC  TCCANACGAAATGCTCTATGGGCGAATAGGCTACATCCTATGCTTCTTTTTGTCAATA  AGAACTCTGGAGTGGAAAAGATCCTCAAAGCCTATTCAGCAAATTTGTGAACAATTTAAA  CCTCTGAGAAACCTACCAGGAAGAGAACCTCACGGCCAAGCTCCACCGCTGTATGAATGG  CCACCAGGATATTATGTAGGGGCTGCTCATGCCCTGCCTGGAACATTACTTCTGAAGC  AANCCAATCTTCCAGGGACCCAAGGGAAGTTCCTAACTTTGGTACAGCCCATGTAAAC  ACCTCCGGCCAACCGAAATTCCTTTTGCAATT</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_006055 unedited  ACGCAATCTAGTATCGAGNNNTTTTTTTTTTTTTTTTTTTTTTTTTTTTATAAGGCCTAATAAAA  TTTTATTGAGAACTAGTAAGTCAAATACTTTACAGAACATAGAAATACATATGATCCCAG  CCTTTCCATTAATGACAACATAACATTGGGGTAGTTTCCCTGAATATCCCAAACAGTT  TGCTTTATAATTAGAGAAACAGTTCGTCTACAGCTCAATAGTAGAGAAAACACAGGAATG  AGGTGCTCTTACTTAGCGGAAGCAGAAATGAAATTGGAATTCAGTGTAATAATAAAGGA  CTACAGATGAGTTCTAGCAGCCAAAGGAGTATACATGTAATAGTCACTTTCACATTTT  CTATTTCTAAAGTAGCTAGTAAAAGGCAGGGCATCGTAAGATCAAACAAAATTAACCTG  AGGACATAGTAGCAGAGTATGTCTCTCAATTCAGTTATTTAGGAAATGTTAATAAAGAAA  GTAACCTAGATCCACTTTTACCTAAAACCTACCTACCATGAAGGTTTTTGATGCCAAA  TAATTGGAAGTACATCAAAGATGAAAAGAGAGCCACATGACTCAGGATTAAGACTGAC  AACTCAGGCCACACCGCCGTCATGGTATCTATGAAAATAGGATAATGTTAACTTTTAC  ATGATGAAAAGTTAACTATTTGCAATTTCTAAATTAATAAGAAACAGAAACATGTGAC  GGATAAATGAACACTGCTTGATGACCTTGACAACCTTGAAGTTTTATTACCTATTCCCT  GTATGAGATAAGAGATGATGGATCGAGTTTTCTAGGACCAACTTCTGGGAATGATCTTAA  NNGAGATAATTTCTGGGAAAAATACAACCTANAACGAAACATGATGCCCTTCTTTAAAC  TCAAAGCCTAGATAAAGGTTCTTTATACTACATGTGTAAGGGATGCCACCGTGTAGCCTT  GCCGATTAATCCATAAACTTTTGCCCTACAT</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_006055
<b>Insert Size:</b>	4470 bp
<b>OTI Disclaimer:</b>	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).
<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).

**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\\_006055.1](#), [NP\\_006046.1](#)

**RefSeq Size:** 4544 bp

**RefSeq ORF:** 1200 bp

**Locus ID:** 10314

**UniProt ID:** [O43813](#)

**Cytogenetics:** 2q34

**Domains:** LANC\_like

**Protein Families:** Druggable Genome

**Gene Summary:** This gene encodes a loosely associated peripheral membrane protein related to the LanC family of bacterial membrane-associated proteins involved in the biosynthesis of antimicrobial peptides. This protein may play a role as a peptide-modifying enzyme component in eukaryotic cells. Previously considered a member of the G-protein-coupled receptor superfamily, this protein is now in the LanC family. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Nov 2008]  
Transcript Variant: This variant (1) represents the longest transcript. Variants 1, 2 and 3 encode the same protein.