

## Product datasheet for **SC325049**

### LANCL1 (NM\_001136574) Human Untagged Clone

#### Product data:

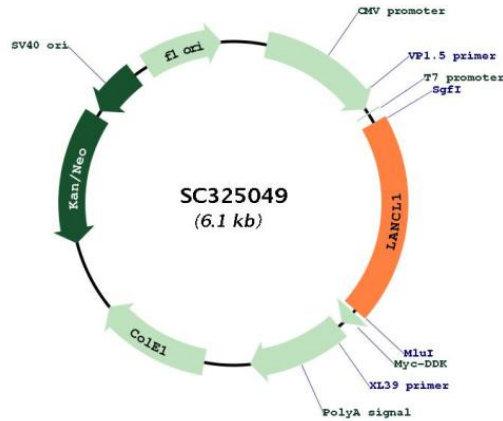
Product Type:	Expression Plasmids
Product Name:	LANCL1 (NM_001136574) Human Untagged Clone
Tag:	Tag Free
Symbol:	LANCL1
Synonyms:	GPR69A; p40
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC325049 representing NM_001136574. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCTCAAAGGGCCTCCCGAATCCTTATGCTGATTATAACAAATCCCTGGCCGAAGGCTACTTTGAT
GCTGCCGGGAGGCTGACTCCTGAGTTCTCACACGCTTGACCAATAAGATTCCGGGAGCTTCTTCAGCAA
ATGGAGAGAGGCCTGAAATCAGCAGACCCTCGGGATGGCACCAGTTACACTGGCTGGGCAGGATTGCT
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AAGCAAAGTCTGAACTGCTTAACCAAGCGCTCCATCACCTTCTTTGTGGGGATGCAGGCCCCCTGGCA
GTGGCCGCTGTGCTATATCACAAAGATGAACAATGAGAAGCAGGCAGAAGATTGCATCACACGGCTAATT
CACCTAAATAAGATTGATCCTCATGCTCCAATGAAATGCTCTATGGGCGAATAGGCTACATCTATGCT
CTTCTTTTTGTCAATAAGAACTTTGGAGTGGAAAAGATTCTCAAAGCCATATTCAGCAGATTTGTGAA
ACAATTTAACTCTGGAGAAAACCTAGCTAGGAAGAGAAAACCTCACGGCAAAGTCTCCACTGATGTAT
GAATGGTACCAGGAATATTATGTAGGGGCTGCTCATGGCCTGGCTGGAATTTATTACTACCTGATGCAG
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CTGAAATCCCTTCTGGCAATTACCCTCCATGTATAGGTGATAATCGAGATCTGCTTGTCCATTGGTGC
CATGGCAGCCCTGGGGTAATCTACATGCTCATCCAGGCCTATAAGGTATTCAGAGAGGAAAAGTATCTC
CAGGTTCTGCAGGGAATGCCTATGCCTTCTGACACTCTACAACCTCACACAGGACATGAAGTACCTG
TATAGGGCCTGTAAAGTTTGTGAATGGTCTTAGAGTATGGAGAACATGGATGCAGAACCACAGACACC
CCTTTCTCTCTTTGAAGGAATGGCTGGAACAATATATTTCTGGCTGACCTGCTAGTCCCCACAAAA
GCCAGTTCCCTGCATTTGAACTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-MluI



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**Plasmid Map:**


**ACCN:** NM\_001136574

**Insert Size:** 1200 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:** 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.

**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:**

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\\_001136574.1](#)

**RefSeq Size:** 4531 bp

**RefSeq ORF:** 1200 bp

**Locus ID:** 10314

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

**Cytogenetics:** 2q34

<b>Protein Families:</b>	Druggable Genome
<b>MW:</b>	45.3 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Variants 1, 2 and 3 encode the same protein.</p>