

Product datasheet for **SC113368**

LANCL2 (NM_018697) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LANCL2 (NM_018697) Human Untagged Clone
Tag:	Tag Free
Symbol:	LANCL2
Synonyms:	GPR69B; TASP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC113368 sequence for NM_018697 edited (data generated by NextGen Sequencing)

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ATGGGCGAGACCATGTCAAAGAGGCTGAAGCTCCACCTGGGAGGGGAGGCAGAAATGGAG
GAACGGGCGTTTCGTCAACCCCTTCCCGGACTACGAGGCCGCCCGGGGGCGCTGCTCGCC
TCCGGAGCGGCCAAGAGACAGGCTGTGTTTCGTCCCGCGGACCACGGATGAGCCCGGC
CTCCCTTTTTCATCAGGACGGGAAGATCATTATAATTTTCATAAGACGGATCCAGACCAAA
ATTAAGATCTTCTGCAGCAAATGGAAGAAGGGCTGAAGACGGCTGATCCCCATGACTGC
TCTGCTTATACTGGCTGGACAGGCATAGCCCTTTTGTACCTGCAGTTGTACCGGGTCACA
TGTGACCAAACCTACCTGCTCCGATCCCTGGATTACGTAAAAAGAACAACCTTCGGAATCTG
AATGGCCGCAGGGTCACCTTCTCTGTGGGGATGCTGGCCCCCTGGCTGTTGGAGCTGTG
ATTTATCACAAACTCAGAAGTGACTGTGAGTCCCAGGAATGTGTCACAAAACCTTTTGCAG
CTCCAGAGATCGTTGTCTGCCAAGAATCAGACCTTCTGATGAGCTGCTTTATGGACGG
GCAGGTTATCTGTATGCCTTACTGTACCTGAACACAGAGATAGGTCCAGGCACCGTGTGT
GAGTCAGCTATTAAGAGGTAGTCAATGCTATTATTGAATCGGGTAAGACTTTGTCAAGG
GAAGAAAGAAAAACGGAGCGCTGCCCGCTGTTGTACCAGTGGCACCAGCAAGCAGTACGTT
GGAGCAGCCCATGGCATGGCTGGAATTTACTATATGTTAATGCAGCCGGCAGCAAAAGTG
GACCAAGAAACCTTGACAGAAATGGTGAACCCAGTATTGATTATGTGCCCCACAAAAAA
TTCCGATCTGGGAATTACCCATCATCATTAAGCAATGAAACAGACCGGCTGGTGCCTGG
TGCCACGGCGCCCGGGGGTTCATCCACATGCTCATGCAGGCGTACAAGGTCTTTAAGGAG
GAGAAGTACTTGAAGAGGCCATGGAGTGTAGCGATGTGATTTGGCAGCGAGGTTTGCTG
CGGAAGGGCTACGGGATATGCCATGGGACTGCTGGCAACGGCTATTCTTCTGTCCCTT
TACCGTCTCACGAGGATAAGAAGTACCTTACCGAGCTTGAAGTTTGCAGAGTGGTGT
CTAGATTACGGAGCACACGGGTGCCGCATTCTGACAGACCCTATTCGCTTTTGAAGGC
ATGGCTGGCGCTATTCACCTTCTCTGATGTCTGGGACCAGAGACATCACGGTTTCCA
GCATTTGAACTTGACTCTTCAAGAGGGATTAA
    
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Clone variation with respect to NM_018697.3
282 a=>g

5' Read Nucleotide Sequence: >OriGene 5' read for NM_018697 unedited

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GGCAGCATTTTGTAAATACGAACTCACTATAGGGCGGCCGGAATCGGCACCAGAACCTCT
TCTCTACAGGTTTTCCAGCGGGAGCGTGGCCCTAGCGGGCGTTTCGGTTTTCTTTGGAAA
TCGCGGAGGGGGCTGGCCGGGCGCAGCGATCCCCACCCGGGACTCCAGCCCCGGCCGTG
CGCGTCGCGCGGACGGGCTCTGCGGGCCACGGGGAAGGTGCGAGGAGGCGCGAGCAGGC
TGTGAGCCGCTGGGCGCTCCCGCAGCCCGCTCCTCTCCGTGGGAGCAGGGCAAAGGCG
CCAGGAACAGGGCAGAGGCACAGCGCCACCCGCTCTGCGGCCGCTGATGTGCGAGCAG
CCCGCAGCAGGCGAGTGCACGCTCAGACGCCCGCTCCTCCCGCAGCGCGCGGCTCCG
TCCCTCTAGAGGACGCTCTCTGCGGGGCCCTCGGAGGAGCGCGGGCGGGCGAGCTGC
AGCGCCGGGACAGGAGGTTTGTCCCGCCGCGCGCCGTACCGCGCGGAGATGGGCGAG
ACCATGTCAAAGAGGCTGAAGCTCCACCTGGGAGGGGAGGCAGAAATGGAGGAACGGGCG
TTGCTCAACCCCTTCCCGGACTACGAGGCCCGCCGGGGCGCTGCTCGCCTCCGGAGCG
GCCGAAGAGACAGGCTGTGTTTCGTCCCGGCGACACGGATGAGCCCGGCTCCCTTTT
CTCAGGACGGGAAGATCATTATAATTTTCATAAGACGGATCCAGACCAAAATAAAGATCT
TCTGCAGCAAATGGAAGAAGGGCTGAAGACGGCTGATCCCATGACTGCTCTGNCTATAC
TGCTGGACAGGCATAGCCCTTTTGTACCTGCAGNTGTACCGGGTTCACATGTTGACCAA
ACCTACCTGGTNCGATCCCTGGATTACCGTAAAGAAC
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_018697 unedited NNNNTTCACTCTGNACCCGCGGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTGT ATGTGAAGAATCATATTTTATATTGATGAGGGTCTGTTAGAAAAGTTGATGGATGGCTT CGGTCACTCATGCTAGTCTAACCAGAGGGGCTGTGACGGTGTCTGCTTCTTTTCAGGA TTCCCAGTTGTTTCTGTGTCAGGCACTAAGCAATCTGGCGGCTTTTGGTCCAAATGGGTA TTTTAGTTGTCTTTTTGCACCTTTAATCCCTCTTCGAAGAGTCAAGTTCAAATGCTGGA AACCGTGATGTCTCTGGTCCCAGGACATCAGAGAGAAAAGTGAATAGCGCCAGCCATGCCT TCAAAGAGCGAATAGGGTCTGTCAAGGAATGCGGCACCCGTGTGCTCCGTAATCTAGACAC CACTCTGCAAACTTGCAAGCTCGGTAGAGTACTTCTTATCCTGCGTGAGACGGTAAAGG GACAGGAAGGAATAGCCGTTGCCAGCAGTCCCATGGCATATCCCGTAGCCCTTCCGCAGC AAACCTCGCTGCCAAATCACATCGCTACACTCCATGGCCTCTTTCAAGTACTTCTCTCC TTAAGACCTTGTACGCCTGCATGAGCATGTGGATGACCCCGGGGCGCCGTGGCACCAG TGCACCAGCCGGTCTGTTTCATTGCTTAATGATGATGGGTAATCCCAGATCGGAATTTT TTGTGGCGCACATAATCAATACTGGGTTTACCATTCTGTCAAGTTNCTTGGTCCACT NTTGCTGCNCGCTGCATTACATATAGTAAATCCAGCCATGCCATGGGCTGCTNCAACGT ACTGCTTNCGGTGCCACTGGTACAACAGCGGNCAGCGCTCCGTTTTTCTTTCTTCTTCTT ACAAAGTCTACCCCGATCATATAGCATTGACTA
Restriction Sites:	NotI-NotI
ACCN:	NM_018697
Insert Size:	2140 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_018697.3 , NP_061167.1
RefSeq Size:	4353 bp
RefSeq ORF:	1353 bp
Locus ID:	55915
UniProt ID:	Q9NS86
Cytogenetics:	7p11.2
Domains:	LANC_like
Protein Families:	Druggable Genome

Gene Summary:

Necessary for abscisic acid (ABA) binding on the cell membrane and activation of the ABA signaling pathway in granulocytes.[UniProtKB/Swiss-Prot Function]