

Product datasheet for **RG209751**

LANCL2 (NM_018697) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LANCL2 (NM_018697) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LANCL2
Synonyms:	GPR69B; TASP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG209751 representing NM_018697
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGCGAGACCATGTCAAAGAGGCTGAAGCTCCACCTGGGAGGGGAGGCAGAAATGGAGGAACGGGCGT
 TCGTCAACCCCTTCCCGACTACGAGGCCGCCCGGGGCGCTGCTCGCCTCCGGAGCGCCGAAGAGAC
 AGGCTGTGTTCTGCCCCGGCCACCCCGGATGAGCCCGCCTCCCTTTTCATCAGACGGGAAGATCATT
 CATAATTCATAAGACGGATCCAGACAAAATTAAGATCTTCTGCAGCAAATGGAAGAAGGGCTGAAGA
 CAGCTGATCCCCATGACTGCTCTGCTTATACTGGCTGGACAGGCATAGCCCTTTTGTACCTGCAGTTGTA
 CCGGGTCACATGTGACCAAACCTACCTGCTCCGATCCCTGGATTACGTAAAAGAACAACCTTCGGAATCTG
 AATGGCCGAGGGTCACCTTCTCTGTGGGGATGCTGGCCCCCTGGCTGTGGAGCTGTGATTTATCACA
 AACTCAGAAGTGACTGTGAGTCCAGGAATGTGCACAAAACCTTTGCAGCTCCAGAGATCGTTGTCTG
 CCAAGAATCAGACCTTCTGATGAGCTGCTTTATGGACGGGCAGTTATCTGTATGCCTTACTGTACCTG
 AACACAGAGATAGTCCAGGCACCGTGTGTGAGTCAGCTATTAAGAGGTAGTCAATGCTATTATTGAAT
 CGGGTAAGACTTTGTCAAGGGAAGAAAGAAAAACGGAGCGCTGCCCGCTGTTGTACCAAGTGGCACCGGAA
 GCAGTACGTTGGAGCAGCCCATGGCATGGCTGGAATTTACTATATGTTAATGCAGCCGCAGAAAAGTG
 GACCAAGAAACCTTGACAGAAATGGTGAACCCAGTATTGATTATGTGCGCCACAAAAAATCCGATCTG
 GGAATTACCCATCATCATTAAAGCAATGAAACAGACCGGCTGGTGCAGTGGTGCACGGCGCCCGGGGGT
 CATCCACATGCTCATGCAGGCGTACAAGGCTTTAAGGAGGAGAAGTACTTGAAGAGGCCATGGAGTGT
 AGCGATGTGATTTGGCAGCGAGGTTTGTGCGGAAGGGCTACGGGATATGCCATGGGACTGCTGGCAACG
 GCTATTCCCTTCTGTCCCTTTACCGTCTCACGCAGGATAAGAAGTACCTTACCGAGCTTGAAGTTTGC
 AGAGTGGTGTCTAGATTACGGAGCACACGGGTGCCGCATTCTGACAGACCCTATTTCGCTCTTTGAAGGC
 ATGGCTGGCGCTATTCACTTTCTCTGATGTCCTGGACCAGAGACATCACGGTTTCCAGCATTGAAAC
 TTGACTCTTGAAGAGGGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG209751 representing NM_018697
 Red=Cloning site Green=Tags(s)

MGETMSKRLKLHLGGEAEMEERAFVNPFPDYEAAGALLASGAAEETGCVRPPATPDEPGLPFHQDGKII
 HNFIRRIQTKIKDLLQQMEEGLKTADPHDCSAYTGWGIALLYLQYRVTCdqTYLLRSLDYVKRTLRLNL
 NGRRVTFLCGDAGPLAVGAVIYHKLRSDCESQECVTKLLQLQRSVVCQESDLPEDELLYGRAGLYALLYL
 NTEIGPGTVCESAIKEVNVAIIESGKTL SREERKTERCPLLYQWHRKQYVGAAHGMAGIYYMLMQPAAKV
 DQETLTEMVKPSIDYVRHKKFRSGNYPSSL SNETDRLVHWCHGAPGVIHMLMQAYKVFKEEKYLKEAMEC
 SDVIWQRGLLRKGYGICHGTAGNGYSFLSLYRLTQDKKYL YRACKFAEWCLDYGAHGCRIPDRPYSLFEG
 MAGAIHFLSDVLPETS RFP AFELDSSKRD

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_018697

ORF Size: 1350 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_018697.3](#), [NP_061167.1](#)

RefSeq Size: 4353 bp

RefSeq ORF: 1353 bp

Locus ID: 55915

UniProt ID: [Q9NS86](#)

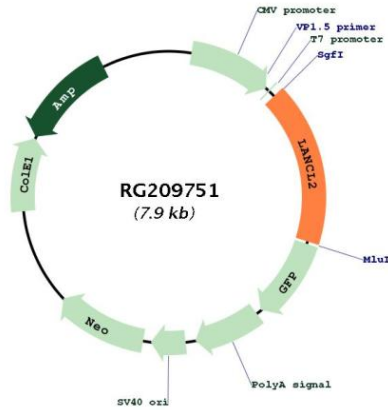
Cytogenetics: 7p11.2

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]

Product images:



Circular map for RG209751