

Product datasheet for **MR217767**

Lancl2 (NM_133737) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lancl2 (NM_133737) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lancl2
Synonyms:	1700003F10Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR217767 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCGAGACCATGTCAAAGAGACTCAAGTTCACCTAGGAGAGCGGAGATGGAGGAGCGGTCTGTTCC
 CCAATCCCTTCCAGACTATGAAGCCGCCGCTCCGCCGAGGGCTCGCCGCTGGAAGTGCAGGAGAAAC
 CGGCCGTGTCTGCCCTCTCCCCACCACGGAAGACCCGGGCTCCCTTTCCACCCTAACGGGAAGATTGTT
 CCCAACTTCATAAAGCGTATCCAGACAAAATCAAAGTCTTCTGCAGCAGATGGAGGAAGGACTGAAGA
 CAGCGGACCCCTCATGACTGCTCTGCATATACTGGTTGGACAGGCATAGCACTTTTGTACCTGCAGCTGTA
 CCGGGTCACTGGTGACCAGACCTACCTGCTTCGATCCCTGGATTACGTGAAGAGAACACTCCGAAATTTG
 AGTGGTCGAGAGTCACTTTCTTTGTGGAGATGCTGGGCCCTTGCTGTGGGAGCTGTGATATATCATA
 AACTCAAAGTGAATGTGAGTCCAGGAATGCATCACAAACTTCTACAGATGCATAGAACTATTGTCTG
 TCAAGAGTCAGAGCTTCTGATGAAGTGTGATGGACGAGCAGGATACCTGTATGCCTTACTGTACCTG
 AACACAGAGATTGGCCCTGGCACTGTTGGTGAGACAGCTATTAAGAGGTAGTCAGTGTATTATTGAGT
 CGGGAAGAGTCTATCAAGGGAAGAAAGAAATCTGAGCGCTGCCCTGCTCTATCAGTGGCACAGAAA
 ACAATATGTTGGAGCAGCCATGGTATGGCTGGCATCTACTACATGCTAATGCAGCCAGAAGCAAAGTG
 GACCAAGAAACCTTAACCGAAATGGTGAACCCAGCATTGATTATGTGCGCCATAAAAAATCCGATCTG
 GAAATTATCCATCATCATTAAAGCAATGAAACAGATCGATTGGTCCACTGGTGCCATGGTGTCCAGGAGT
 CATCCACGTGCTTTACAGGCATACCAGTTTTTAAGGAGGAAAAATACTTGAAGAGGCCATGGAGTGT
 AGCGATGTGATTTGGCAGCGAGGTCTGCTCCGAAAGTTATGGAATCTGCCATGGAACCTTGGCAATG
 GCTATTCCTTTTTGTCCCTTTATCGCCTGACGCAGGATAAGAAGTATCTCTATCGAGCTTGAAGTTTGC
 AGAGTGGTGTCTAGATTACGGAGCACATGGATGCCGCATTTCCTGACAGACCTTATTCCTCTTTGAAGGT
 ATGGCTGGTGTCTTCACTTCTTTCTGACATCTTGGTACCAGAGACAGCACGGTTTCCAGCATTGAAAC
 TTGGCTTTTTGCAGAAGGAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR217767 protein sequence
 Red=Cloning site Green=Tags(s)

MGETMSKRLKFHLGEAEMEERSFPNPPDYEAASAAGLAAGSAEETGRVCLPTTEDPGLPFHPNGKIV
 PNFIKRIQTKIKDLLQQMEEGLKTADPHDCSAYTGWGIALLYLQLYRVTGDQTYLLRSLDYVKRTLRLN
 SRRRVTFLCGDAGPLAVGAVIYHKLKSECESQECITKLLQMHRTIVCQSELPDELLYGRAGYLALLYL
 NTEIGPGTVGETAIKEVVSALIESGKLSREERKSERCPLLYQWHRKQYVGAAGHMAGIYYMLMQPEAKV
 DQETLTEMVKPSIDYVRHKKFRSGNYSSLSNETDRLVHWCHGAPGVIHVLLQAYQVFKEEKYLKEAMEC
 SDVIWQRGLLRKGYGICHGTSNGYSFSLYRLTQDKKYLIRACKFAEWCLDYGAHGCRIPDRPYSLFEG
 MAGAVHFLSDILVPETARFPFELGFLQKD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_133737

ORF Size: 1353 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_133737.2](#), [NP_598498.1](#)
RefSeq Size: 3657 bp

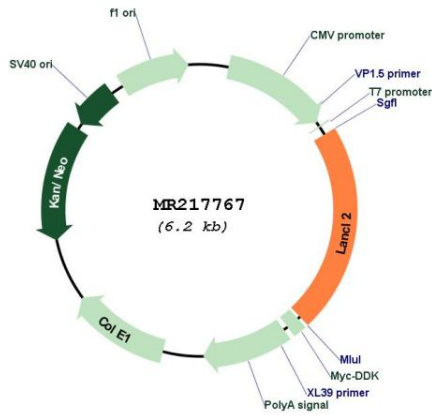
RefSeq ORF: 1353 bp

Locus ID: 71835

UniProt ID: [Q9JJK2](#)

Cytogenetics: 6 B3
MW: 50.8 kDa
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 MR217767