

Product datasheet for **MG207188**

Lancl2 (BC016072) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lancl2 (BC016072) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lancl2
Synonyms:	1700003F10Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207188 representing BC016072
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGCGAGACCATGTCAAAGAGACTCAAGTTCACCTAGGAGAGCGGAGATGGAGGAGCGGTCTGTTCC
 CCAATCCCTTCCAGACTATGAAGCCGCCGCTCCGCCGAGGGCTCGCCGCTGGAAGTGCAGGAGAAAC
 CGGCCGTGTCTGCCCTCTCCCCACCACGGAAGACCCGGGCTCCCTTTCCACCCTAACGGGAAGATTGTT
 CCCAATTCTATAAAGCGTATCCAGACAAAATCAAAGTCTTCTGCAGCAGATGGAGGAAGGACTGAAGA
 CAGCGGACCCCTCATGACTGCTCTGCATATACTGGTTGGACAGGCATAGCACTTTTGTACCTGCAGCTGTA
 CCGGGTCACTGGTGACCAGACCTACCTGCTTCGATCCCTGGATTACGTGAAGAGAACAACCTCCGAAATTTG
 AGTGGTCGAGAGTCACTTTCTTTGTGGAGATGCTGGGCCCTTGCTGTGGGAGCTGTGATATATCATA
 AACTCAAAGTGAATGTGAGTCCAGGAATGCATCACAAAACCTTCTACAGATGCATAGAACTATTGTCTG
 TCAAGAGTCAGAGCTTCTGATGAAGTGTGATGGACGAGCAGGATACCTGTATGCCTTACTGTACCTG
 AACACAGAGATTGGCCCTGGCACTGTTGGTGAGACAGCTATTAAGAGGTAGTCAGTGTATTATTGAGT
 CGGGAAAGAGTCTATCAAGGGAAGAAAGAAATCTGAGCGCTGCCCTGCTCTATCAGTGGCACAGAAA
 ACAATATGTTGGAGCAGCCATGGTATGGCTGGCATCTACTACATGCTAATGCAGCCAGAAGCAAAGTG
 GACCAAGAAACCTTAACCGAAATGGTGAACCCAGCATTGATTATGTGCGCCATAAAAAATCCGATCTG
 GAAATTATCCATCATCATTAAAGCAATGAAACAGATCGATTGGTCCACTGGTGCCATGGTGTCCAGGAGT
 CATCCACGTGCTTTACAGGCATACCAGTTTTTAAGGAGGAAAAATACTTGAAGAGGCCATGGAGTGT
 AGCGATGTGATTTGGCAGCGAGGTCTGCTCCGAAAGTTATGGAATCTGCCATGGAACCTCTGGCAATG
 GCTATTTCTTTTGTCCCTTTATCGCCTGACGCAGGATAAAGAAGTATCTCTATCGAGCTTGAAGTTTGC
 AGAGTGGTGTCTAGATTACGGAGACATGGATGCCGATTCTCTGACAGACCTTATCCCTCTTTGAAGGT
 ATGGCTGGTGTCTTCACTTCTTTCTGACATCTTGTACCAGAGACAGCACGGTTTCCAGCATTGAAAC
 TTGGCTTTTTGCAGAAGGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207188 representing BC016072
 Red=Cloning site Green=Tags(s)

MGETMSKRLKFHLGAEEMEERSFPNPPDYEAASAAGLAAGSAEETGRVCPPTTEDPGLPFHPNGKIV
 PNFIKRIQTKIKDLLQQMEEGLKTADPHDCSAYTGWGIALLYLQLYRVTGDQTYLLRSLDYVKRTLRLN
 SGRRVTFLCGDAGPLAVGAVIYHKLKSECESQECITKLLQMHRTIVCQSELPDELLYGRAGLYALLYL
 NTEIGPGTVGETAIKEVVSIIIESGKLSREERKSERCPLLYQWHRKQYVGAAHGMAGIYYMLMQPEAKV
 DQETLTEMVKPSIDYVRHKKFRSGNYPSSLNETDRLVHWCHGAPGVIHVLLQAYQVFKEEKYLKEAMEC
 SDVIWQRGLLRKGYGICHGTSNGYSFLSLYRLTQDKKYLIRACKFAEWCLDYGAHGCRIPDRPYSLFEG
 MAGAVHFLSDILVPETARFPFELGFLQKD

TRTRPLE - GFP Tag - V

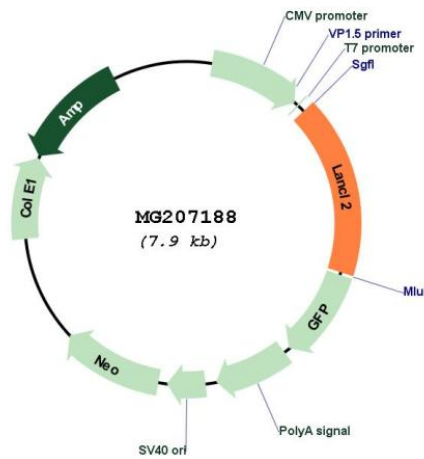
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC016072

ORF Size: 1352 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:	<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:	<u>BC016072</u> , <u>AAH16072</u>
RefSeq Size:	2204 bp
RefSeq ORF:	1352 bp
Locus ID:	71835
Cytogenetics:	6 B3
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]