

Product datasheet for **MG203955**

Lix1 (NM_025681) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lix1 (NM_025681) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lix1
Synonyms:	5730466L18Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203955 representing NM_025681 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACAGAACCTTGAATCTCTGAGGCACATCATTGCCCAAGCCTTGCCTCACAGAGACCCGGCTTTGG
TCTTCAAAGACTTGAATGTTGTGCAATGTTACAGGAATTTGGGAAAGCAAGCAGCAGCAGAAAGCCAC
CTTCTCCAGTGAGGGACTGGTGGTCTATGAGTCAATGCCTTCTCTGGGCCTCCCTTTGTGAGCTATGTG
ACTCTCCCTGGAGGGAGCTGCTTTGGCACTTTCAGTGCTGCTTAAGTAGAGCTGAGGCCAGGCGGGATG
CTGCTAAAGTGGCGCTCATCAACTCTCTTCAATGAGCTACCCTCCGAAGGATCACCAAGGAGTTCAT
CATGGAGAGTGTTTCAGGAAGCAGTAGCCTCCACCAGGGGCACGTTAGATGATGCGGATGACCAAGCACA
AGTGTGGGAGCCTATCACTACATGCTGGAGTCAAACATGGGGAAGACTATGCTGGAGTTTCAGGAACTAA
TGACCATTTTCCAATACTGCACTGGAATGGAAGCCTGAAAGCCCTCCGTGAAACAAAGTGCTCTCGACA
GGAAGTCATCTCTACTATTCCAATATTCTTTAGATGAAAAGATGCGTAGCCACATGGCCCTGGACTGG
ATTATGAAGGAGCGTGAATCACCAGGAATTCTCTCTCAAGAGCTGCGTGACGCCCTAGGGCAGCTGGAGG
AAGCCAGGAAGGCTGGACAAGAACTACGATTTTACAAAGAAAAAAGAAATCCTGAGCTTGGCCCTGAC
TCAGATCTATAGTGACCTGACCCTTCTCACCCAGTGATGACCAGCTAAGCCTCACGGCTCTGTGTGGC
TATCAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203955 representing NM_025681
 Red=Cloning site Green=Tags(s)

MDRTLESLRHIIAQUALPHRDPALVFKDLNVVSMQLQEFWESKQQKATFSSEGLVVYESMPSSGPPFVSYV
 TLPGGSCFGNFQCCLSRAEARRDAAKVALINSLFNELPSRRITKEFIMESVQEAVASTRGTLDDADDPST
 SVGAYHYMLESNMGKTMLEFQELMTIFQLLHWNGSLKALRETKCSRQEVISSYSQYSLDEKMRSHMALDW
 IMKERESPGILSQELRAALGQLEEARKAQELRFYKEKKEILSLALTQIYSDPDPSPPSDDQLSLTALCG
 YH

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_025681

ORF Size: 846 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_025681.2](#), [NP_079957.2](#)

RefSeq Size: 3124 bp

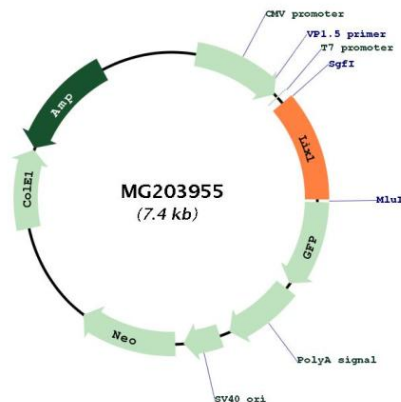
RefSeq ORF: 849 bp

Locus ID: 66643

UniProt ID: [Q6P566](#)

Cytogenetics: 17 A3.1-A3.2

Product images:



Circular map for MG203955