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# Product datasheet for MG216377

## Lrch3 (NM_001081255) Mouse Tagged ORF Clone

### Product data:

| | |
|---|---|
| **Product Type:** | Expression Plasmids |
| **Tag:** | TurboGFP |
| **Symbol:** | Lrch3 |
| **Synonyms:** | 2210409B11Rik; AW215594; Gm1742 |
| **Mammalian Cell Selection:** | Neomycin |
| **Vector:** | pCMV6-AC-GFP (PS100010) |
| **E. coli Selection:** | Ampicillin (100 ug/mL) |



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**ORF Nucleotide Sequence:**

>MG216377 representing NM_001081255
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGCCGCGGGCTTGGTGGCTGTGGTAGCGGCTGCGGAGTACTCTGGCCCTGTGGCGTCCGGGGGAA
ACCTCTCCGGTGCGACCTGTGGGCCGAGCCCTGGGTTGGGCCCTGGTCCTGGCCCGGGCTCTTGGAGCCG
CTCGGTCGACCGAGCCCTGGAAGAGGCGGCGGTCACCGGGGTGCTGAGCCTGAGCGGCCGGAAACTGAGG
GAGTTTCCCCGGGGAGCGGCCAACCATGACCTGACGGACACCACCCGGGCCGACCTGTCACGAAATCGCC
TCTCAGAAATCCCTATGGAAGCATGTCACTTTGTTTCCCTGGAAAGTCTTAACCTATACCAGAATTGTAT
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CTGTTTGTTACCGGAACCTCCGGCACCTCCAGGTGATCACCTTGGACAACAACCCGCTTCAGTCGCCTCC
TGCACAGATATGTATAAAAGGCAAAATCCACATATTTAAATACCTGAACATACAAGCTTGTAAGATTGCT
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GTCCTTACGGAGCCCTGGATTCAGGCTTCAATAGTGTGGATAGTGGTGATAAGAGATGGTCAGGGAATGA
GCCTACAGATGAATTTTCGGATCTGCCTCTTCGAGTGGCAGAGATTACCAAAGAGCAAAGACTGCGGAGA
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GTAAAGCCAATAGCCGTTAGAGAGTTTCAAAAAACAGAAGACATGAAAAGATACTCACATCAAAACAGGG
TTCCAGTTGAGCCATCTTTGGTGTTATCAATGCCACCAAGTCACAATCAGCTTTCACATTCAGACTTGGA
GCTTCATCAGAGGAGAGAGCAGTCTATTGAGTGCACTCGGAGAGAGGCACAGCTTGCTGCCCTGCAGTAC
GAGGAGGAGAAAATAAGGACCAAGCAGATTCAGAGAGATGCTGTCCTAGACTTTGTCAAACAGAAAGCAT
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AAATCGGTGTACCCCAGGAGCAATTGTGCTTGCCTCTGCACATTTTAGAAGAGAAAGGGTTGGGCCAGGT
TGCAGTGACAGTCCAGGCCCTCCTGGAGCTTGCCCCACCCAAGCAGCCGCCACCGCAGCAGCCGCAGCAG
CAGCAGCCACAGCTCTCTGCTGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

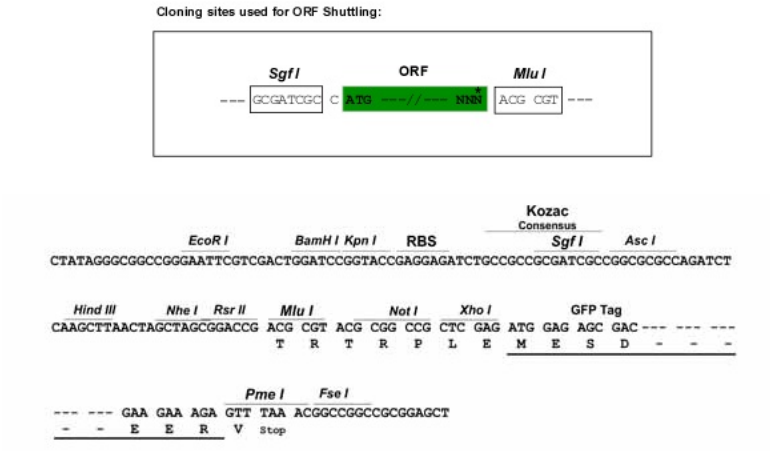
>MG216377 representing NM_001081255
Red=Cloning site Green=Tags(s)

MAAAGLVAVVAAAEYSGPVASGGNLSGATCGPSPGLGPGPGPGSWSRSVDRALEEAAVTGVLSLSGRKLR
EFPRGAANHDLTDTTRADLSRNRLSEIPMEACHFVSLESLNLYQNCIRYIPEAVLNLQALTFLNISRNQL
STLPVHLCNLPLKVLIASNNKLVSLPEEIGHLRHLTELDVSCNEIQTVPSQIGNLEALRDFNVRRNHLLR
LPEELAEVPLIRLDFSCNKITVIPVCYRNLRHLQVITLDNNPLQSPPAQICIKGKIHIFKYLNIQACKIA
PDLPDYERRPLGFGSCHEELYSGRPYGALDSGFNSVDSGDKRWSGNEPTDEFSDLPLRVAEITKEQRLRR
ESQYQENRSSVAVTNGGVEHDLDQIDYIDSCTTEEEENDVKQPKSLDTNSLSSQFMAYIEQRRISHEVSP
VKPIAVREFQKTEDMKRYSHQNRVPVEPSLVLSMPPSHNQLSHSDLELHQRREQSIECTRREAQLAALQY
EEEKIRTKQIQRDAVLDFVKQKASHNPQRQQPPGNGECSFPSRRSQHTDDSALLVSLSGLDGVSCVATRP
HSSAFTPLKSENRVDVTSSFPMTETVHHSPAYSFPAATQRNQPQRPESFLFRAAVRAEANKGRASPLLLS
SAPATDPTDAITRQREEELKLIDQLRKHIEYRLKVSLPCDLGAALTDGVVLCHLANHVRPRSVPSIHVPS
PAVPKLTMAKCRRNVENFLDACRKIGVPQEQLCLPLHILEEKGLGQVAVTVQALLELAPPKQPPPQQPQQ
QQPQLSAV

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**




**ACCN:** NM_001081255

**ORF Size:** 2334 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_001081255.1, NP_001074724.1

**RefSeq Size:** 5918 bp

**RefSeq ORF:** 2337 bp

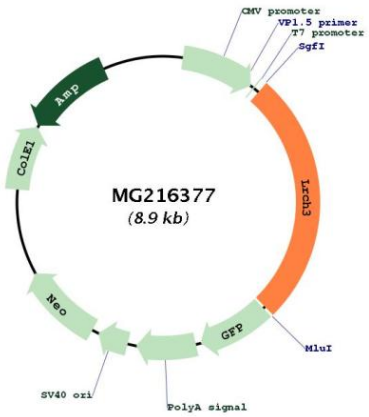
**Locus ID:** 70144

**UniProt ID:** Q8BVU0

**Cytogenetics:** 16 B3

**Gene Summary:** As part of the DISP complex, may regulate the association of septins with actin and thereby regulate the actin cytoskeleton.[UniProtKB/Swiss-Prot Function]

## Product images:




Circular map for MG216377