

## Product datasheet for **MC221502**

### Lrch3 (NM\_001081255) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Lrch3 (NM_001081255) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lrch3
Synonyms:	2210409B11Rik; AW215594; Gm1742
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC221502 representing NM\_001081255  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCGGCCGCGGGCTTGGTGGCTGTGGTAGCGGCTGCGGAGTACTCTGGCCCTGTGGCGTCCGGGGGAA  
 ACCTCTCCGGTGCACCTGTGGGCCGAGCCCTGGGTTGGGCCCTGGTCTGGCCCCGGGCTTTGGAGCCG  
 CTCGGTCGACCGAGCCCTGGAAGAGCGCGGTCACCGGGGTGCTGAGCCTGAGCGGCCGAAAAGTGAAG  
 GAGTTTCCCGGGGAGCGGCCAACCATGACCTGACGGACACCACCGGGCCGACCTGTCACGAAATCGCC  
 TCTCAGAAATCCCTATGGAAGCATGTCACCTTTGTTTCCCTGAAAAGTCTTAACCTATACCAGAATTGTAT  
 TCGGTATATCCCAGAGGCTGTTCTAAACTTACAAGCTCTGACATTCCTAAATATTAGTCGGAATCAACTG  
 TCAACATTGCCAGTCCACTTGTGTAACCTACCAGTAAAGTCTTAATCGTAGCAATAACAAATTTGGTCT  
 CGCTTCTGAAGAAATTGGACATCTCAGACATTTGACAGAAGTTCGATGTAAGCTGCAATGAAATTTCAAAC  
 TGTGCCTCCCAAATTTGTAATCTGGAAGCCTTGAGAGACTTCAATGTAAGAAGAAATCATCTTCTACGC  
 TTGCCTGAAGAGCTGGCAGAGGTGCCTTTGATACGGCTCGACTTCTCGTGAATAAAATCACAGTATCC  
 CTGTTTGTACCAGAACCTCCGGCACCTCCAGGTGATCACCTTGACAACAACCCGCTTCAGTCGCCTCC  
 TGCACAGATATGTATAAAAGGCAAAATCCACATATTTAAATACCTGAACATACAAGCTTGTAAAGATTGCT  
 CCAGATCTGCCAGATTATGAACGGAGGCCCTTTGGGATTTGGATCTGCCATGAAGAACTGTACTCAGGCC  
 GTCCTTACGGAGCCCTGGATTACAGGCTTCAATAGTGTGGATAGTGGTGATAAGAGATGGTCAGGGAAATGA  
 GCCTACAGATGAATTTTCGGATCTGCCTCTTCGAGTGGCAGAGATTACCAAGAGCAAAGACTGCGGAGA  
 GAAAGCCAGTACCAGGAGAATCGCAGCAGTGTGGCGGTCAAAATGGTGGAGTGGAGCATGATCTGGATC  
 AGATTGACTACATTGACAGCTGTACTACAGAAGAAGAAGAAAACGACGTGAAACAACCCAAAAGCCTGGA  
 CACGAACAGTCTCAGCTCACAGTTTATGGCATATATTGAACAACGGAGAATCTCACATGAGGTTTACCA  
 GTAAAGCCAATAGCCGTTAGAGAGTTTCAAAAAACAGAAGACATGAAAAGATACTCACATCAAAACAGGG  
 TTCCAGTTGAGCCATCTTTGGTGTATCAATGCCACCAAGTCACAATCAGCTTTTACATTGAGACTTGG  
 GCTTATCAGAGGAGAGAGCAGTCTATTGAGTGCCTCGGAGAGAGGCACAGCTTGTGCCTGCAGTAC  
 GAGGAGGAGAAAATAAGGACCAAGCAGATTGAGAGAGATGCTGTCCTAGACTTTGTCAAACAGAAAGCAT  
 CACACAACCCACAGAGACAGCAGCCCCCTGGGAATGGCGAGTGTCTTCCCATCCAGAAGGTCCCAGCA  
 CACTGATGACAGTGCCTTGCTAGTGTACTGTCAGGGTTGGATGGAGTGAAGTGCCTGAGTACCCGGCCT  
 CATTCTTCTGCCTTACACCTCTCAAGAGCGAAAACAGAGTTGATGTCACCTCAAGCTTTTCTATGACAG  
 AGACAGTCCATCATTCCCTGCGTATTCTTTCTGCTGCTACCCAGAGAAATCAGCCCCAGCGCCCTGA  
 AAGCTTCTTTTCCGAGCTGCTGTCAGGGCAGAAGCTAATAAAGGTGCTGCATCCCCGCTTCTCCTGTCA  
 TCTGCACCTGCAACTGATCCTACAGATGCTATAACAAGACAGAGAGAAGAAGAGCTGAAATTAATAGATC  
 AGCTACGAAAACACATTGAGTACCGGTTGAAAGTCTCTTTGCCCTGTGACCTTGGAGCAGCTCTAACTGA  
 CGGTGTTGACTTTGCCACTTGGCCAATCATGTTGGCCCTCGATCTGTCCCAAGCATTATGTCCCATCC  
 CCAGCCGTGCCTAAATTAACGATGGCAAAGTGCAGGCGGAATGTGGAGAAGTCTTGGATGCTTGCAGAA  
 AAATCGGTGTACCCAGGAGCAATTGTGCTTGCCTCTGCACATTTTGAAGAGAAAAGGTTGGGCCAGGT  
 TGCAGTGACAGTCCAGGCCCTCTGGAGCTTGGCCACCAAGCAGCCGCCACCCGACGAGCCGCAGCAG  
 CAGCAGCCACAGCTCTCTGCTGT**CGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_001081255  
**Insert Size:** 2337 bp

<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001081255.1</a> , <a href="#">NP_001074724.1</a>
<b>RefSeq Size:</b>	5918 bp
<b>RefSeq ORF:</b>	2337 bp
<b>Locus ID:</b>	70144
<b>UniProt ID:</b>	<a href="#">Q8BVU0</a>
<b>Cytogenetics:</b>	16 B3
<b>Gene Summary:</b>	<p>As part of the DISP complex, may regulate the association of septins with actin and thereby regulate the actin cytoskeleton.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the predominant transcript and encodes isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>