

Product datasheet for **MC220957**

Lrch1 (NM_001033439) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrch1 (NM_001033439) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lrch1
Synonyms:	4832412D13Rik; AI552548; AW215503; Chdc1; mKIAA1016
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>MC220957 representing NM_001033439

Red=Cloning site Blue=ORF Orange=Stop codon

 TTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

 ATGGCGACGCCGGAAGCGAACCCCAAGCTTTCGCGCCCGCTCTCTCGGTAAACCGCCCTGCACCCGCATC
 TCCACCAGCACCACCAACACCACCAACACCAGCACCACGAGGCACCGGCCGACCGGCTTCAACCT
 GCCCTTGAACCGTGTTTGGAGCGCGCTGGAGGAGGCGGCCAACTCTGGGGGCTTGAACCTGAGCGCC
 AGGAAGCTGAAGGAGTTTCCAGGACTACGGCCCCGGGACATGACCTCTCGGACACGGTTCGGGCAGATC
 TATCTAAAAACAGACTGGTGAAGTGCCAATGGAGCTGTGCCAATTTGTATCACTGGAAATTTCTAACCT
 GTATCACAACGTATCAGAGTCATTCTGAGGCCATTGTTAATTTGCAGATGTTGACCCACCTAACTTG
 AGTCGAAATCAGCTGTCTGCCCTGCCCGCTGCCTGTGTGGTCTGCCTCTCAAAGCTTAATCGCAAGCA
 ACAACAAGCTCGGATCACTGCCTGAAGAGATAGGTCAGCTCAAACAGTTAATGGAGTTGGATGTGAGTTG
 CAACGAGATCACGGCCTTGCCCCAGCAGATAGGCCAGCTGAAGTCTCTCGGGAACTCAATGTCCGAAGA
 AATTACCTTAAGGTTTTACCACCAGAGCTAGTAGATCTCCCTTGGTAAAGTTTGACTTTTCTGCAACA
 AGGTGCTGGTGATCCCCGTCTGTTCAGGGAGATGAAGCAGCTGCAGGTGCTCCTGCTTGAGAACACCC
 TCTGCAGTCCCCTCCGGCGCAGATTTGCACGAAAGGAAAAGTACACATATTTAAGTATTTGAGCATACAA
 GCATGCCAGATTAAGACAAGTACTCTTTACCTCCCCACCATAGAGAGGCCCATTTACACCAACACG
 TGAAGACAGTAAGAAGGACTCCGACTCAGGGGTTGGAAGTGACAATGGAGATAAGCGGTTATCTGCCAC
 CGAGCCCTCTGATGAGGACACGGTTAGCCTCAATGCGCCCATGTCAAACATCGTGAAGAAGACCAGACC
 ATCAAGGAGGATGCGTGCCATCGGCTCACCCCACTAAAGGAGAATTTAGCCGAAGCCTTCCATTTTGG
 GGGACAGCGGCATCTCAGGACAAGAAAGAGAGCAGCTTGCTGGCCGTGCAGATGCTCGACACTCGGGACT
 TATGAACTATATTAAGGACCAGGCAGAAGACTGTGAAGAGCTATTGCGGATAGAAGAGGATGCTCACTGG
 CACATGGAGGAATACTAAATTCATCCAAAGACCGGGAGCTGGATATAGCGATGATTGAGCAGCTGAGAG
 AGGCAGAGCTGCTTCAGGATCCCAACGGTCTAAGCGCAGATATCATAGAGAGAAGTATTTGAACCTGTT
 CCCCATGGACTCAGGAGAAGCCTCAGAATTCCTGATCCTTCACTCAATGGCCAGTTGCAGCTGGAGACG
 TCTCCAGACCGTGAGGTGCAAAATGATCTAATGTTACAGAGTAATGGAAGCCAGTATTCTCCCAATGAGA
 TACGAGAGAACTCCCCTCAGTGTCTCTACTGCAAACATCACAGCTCCGTTTGGCCTGAAGCCTCGTTC
 AGGTTCTGGTGCCCTGAGGAGGTACAGGGCAGCCTGCAGGCAGAGTCTCCCCAAGACGACCCAGTTG
 CTTTCCAGGCATGTGTTTCTAAGACCGCAGAGAACTTGAATCTATAGCCACAGTTTACGATCCGGA
 GGAAGATGGAGCAGATGAGAGAGGAGAAGGAGCTGGTGGAGCAACTCCGAGAGAGCATCGAGATGAGGCT
 GAAGGTGACCCCTTCATGAAGACCTGGGGCGGCACTCATGGATGGTGTCTCTGCCACCTGGCCAAC
 CACGTCCGTCCGAGATCTGTGCGCAGCATCCATGTCCCCTCACCGGCTGTTCTAAACTCAGCATGGCCA
 AGTGCAGGAGGAACGTGGAAAATTTCTTGAAGCGTGCAGGAACTTGGCGTTCCCGAGGAAAAGCTCTG
 CCTGCCTCATCACATCCTTGAAGAGAAAGGCCTGGTCAAAGTGGGCACGACTGTTCAAGGCACTGTTGGAT
 GTCACCGTCACAAAAGCTCTATTCACATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001033439

Insert Size:

2130 bp

OTI Disclaimer:

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).

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:	<u>NM_001033439.3</u> , <u>NP_001028611.2</u>
RefSeq Size:	4727 bp
RefSeq ORF:	2130 bp
Locus ID:	380916
UniProt ID:	<u>P62046</u>
Cytogenetics:	14 D3
Gene Summary:	Acts as a negative regulator of GTPase CDC42 by sequestering CDC42-guanine exchange factor DOCK8. Probably by preventing CDC42 activation, negatively regulates CD4(+) T-cell migration in response to chemokine stimulation.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.