

Product datasheet for **MC228663**

Lrch1 (NM_001252132) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrch1 (NM_001252132) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lrch1
Synonyms:	4832412D13Rik; AI552548; AW215503; Chdc1; mKIAA1016
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228663 representing NM_001252132
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGACGCCGGGAAGCGAACCCCAAGCTTTCGCGCCGCTCTCTCGGTAACCGCCTGCACCCGCATC
 TCCACCAGCACCAACACCACCAACACCAGCACCGAGGCACCGCGGCACCGCTTCAACCT
 GCCCTTGAACCGTGGTTTGGAGCGCGCTGGAGGAGCGGCCAACTCTGGGGGCTTGAACCTGAGCGCC
 AGGAAGCTGAAGGAGTTCCAGGACTACGGCCCCGGACATGACCTCTCGGACACGGTTCGGGCAGATC
 TATCTAAAAACAGACTGGTGAAGTGCCAAATGGAGCTGTGCCAATTTGTATCACTGGAAATCTTAACTT
 GTATCACAAGTATCAGAGTCATTCTGAGGCCATTGTAATTTGCAGATGTTGACCCACCTAACTTG
 AGTCGAAATCAGCTGTCTGCCCTGCCCGCTGCCTGTGTGGTCTGCCTCTCAAAGCTTAATCGCAAGCA
 ACAACAAGCTCGGATCACTGCCTGAAGAGATAGGTCAGCTCAAACAGTTAATGGAGTTGGATGTGAGTTG
 CAACGAGATCACGGCCTGCCCCAGCAGATAGGCCAGCTGAAGTCTCTCGGGAACTCAATGTCGAAGA
 AATTACCTAAGGTTTTACCACCAGAGCTAGTAGATCTCCCTTGGTAAAGTTTGACTTTTCTGCAACA
 AGGTGCTGGTGATCCCCGTCTGCTTCAGGGAGATGAAGCAGCTGCAGGTCTCTGCTTGAGAACAACCC
 TCTGCAGTCCCCTCCGGCGCAGATTTGCACGAAAGGAAAAGTACACATATTTAAGTATTTGAGCATAACA
 GCATGCCAGATTAAGACAAGTACTCTTTACCTCCCCACCATAGAGAGGCCCATTTACACCAACACG
 TGAAGACAGTAAGAAGGACTCCGACTCAGGGGTTGGAAGTGACAATGGAGATAAGCGGTTATCTGCCAC
 CGAGCCCTCTGATGAGGACACGGTTAGCCTCAATGCGCCCATGTCAAACATCGTGAAGAAGACCAGACC
 ATCAAGGAGGATGCGTGCCATCGGCTCACCCAACTAAAGGAGAATTTACGCCGAAGCCTTCCATTTTGG
 GGGACAGCGGCATCTCAGGACAAGAAAGAGAGCAGCTTGTGGCCGTGCAGATGCTCGACTCGGGACT
 TATGAACTATATTAAGGACCAGGCAGAAGACTGTGAAGAGCTATTGCGGATAGAAGAGGATGCTCACTGG
 CACATGGAGAACTACTAAATTCATCCAAAGACCAGGAGCTGGATATAGCGATGATTGAGCAGCTGAGAG
 AGGCAGAGCTGCTTCAGGATCCCAACGGTCTAAGCGCAGATATCATAGAGAGAAGTATTTGAACTGTT
 CCCCATGGACTCAGGAGAAGCCTCAGAATTCCTGATCCTTCACTCAATGGCCAGTTGCAGCTGGAGACG
 TCTCCAGACCGTGAGGTGCAAAATGATCTAATGTTACAGAGTAATGGAAGCCAGTATTCTCCAATGAGA
 TACGAGAGAACTCCCCTCAGTGTCTCCTACTGCAAACATCACAGCTCCGTTTGGCCTGAAGCCTCGTTC
 AGTGTCTTCTAAGACCGCAGAGAACTTGAATCTATAGACCCACAGTTTACGATCCGGAGGAAGATGGAG
 CAGATGAGAGAGGAGAAGGAGCTGGTGGAGCAACTCCGAGAGAGCATCGAGATGAGGCTGAAGGTGACCC
 TTCATGAAGACCTGGGGCGGCACTCATGGATGGTGTCTGCTCTGCCACCTGGCCAACACGTCGGTCC
 GAGATCTGTGCCAGCATCCATGTCCCCTCACCGGCTGTTCTAAACTCAGCATGGCCAAGTGCAGGAGG
 AACGTGGAAAACCTTCTTGAAGCGTGCAGGAACTTGGCGTTCCCGAGGAAAAGCTCTGCCTGCCTCATC
 ACATCCTTGAAGAGAAAGCCCTGGTCAAAGTGGGCACGACTGTTCCAGGCACTGTTGGATGTCACCGTCA
 AAAAGCTCTATTCACATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001252132

Insert Size: 2049 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).

OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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>NM_001252132.1, NP_001239061.1</u>
RefSeq Size:	4646 bp
RefSeq ORF:	2049 bp
Locus ID:	380916
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 (2) lacks an alternate in-frame exon in the 3' coding region, compared to variant 1, resulting in an isoform (2) that is shorter than isoform 1.