

Product datasheet for **MR206435**

Lrch2 (BC056180) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrch2 (BC056180) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lrch2
Synonyms:	AI316885; mKIAA1495
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206435 representing BC056180 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGAAGATTTTATCCAAACAAAAATCATGGCCCTGACTCTGGAATCGGAAGTGATAATGGAGAAAAGC
GATTGTCTACAACAGAACCATCAGACGATGACACAATCAGCCTTCACTCTCAAGTCTCAGAATCAAATAG
AGAGCAAACATCAAGAAATGACAGTCATATAACAGGAAGCAAGCCTGATTCTCAGAAAGACCAGGAGGTG
TATGATTTTATTGATCCCAACACGGAAGACGTAGCAGTTCCTGAAGAAGGAGATACACATATTGGATCAT
TTGTTTCTTTCCTTAAGGGGAAAGAAAAGAGCTCTGAAAAATCTCAGAAAAATGAAGAACCGCCAAATGA
AAAAAAGTTGACAAAGAACAGTTACTTCCAGAAGAAGAGATGATGATTGAAAGAAGTAAGTATTTG
AGGAAGATAGCTGCTCAGTTACTGAAGCAAGAACAGAAGAAGAGTGTCCAGCAGATGAAGGGAATTCAC
CATTATCACCTCTTGCATGGCAGCCATTAGAAAAATCAGAAGGACCAAATAGTTGATCAACAGTGGCCAGA
ATCTCAGCCTATAATCTGGCAAAATGAAGAGAGGAGACGAAGCAAGCAGATCAGAAAAGAATATTCAAG
TACAAATCAACAAGGAAGAATTCAGTGGAATGAGAATGAGGAGCAAGAGAGTGATAATGCTCATATGT
CCGCACAGTCTCCAGTATCATCTGAGGAATATGACCGCTCTGATGGCTTTTCACATGGTCCCTTTGGCTT
GAAGCCTAGATCAGCCTTCAGTCGTGCATCTCGTCAAGAATACGGGGCAGCAGATCCAGGATTTACAATG
AGAAGAAAGATGGAGCATTACGGGAAGAGCGTGAACAGATAAGGCAGCTTCGCAATAATCTTGAATCCA
GATTAAAAGTCATTTTACCTGATGACATAGGAGCCGCACTGATGGATGGAGTTGTTCTTTGCCATTTGGC
CAATCACATAAGGCCACGCTCTGTAGCTAGCATTATGTACCGTCAACAGCAGTGCCTCAAGCTGAGCATG
GCAAAATGTCGAAGAAATGTAGAAAATTTCTTGACGCTTGCAAAAAGTTGGGTGTTTCACAGGAGAGAC
TGTGCTTGCCCTACCATATTTTGAAGAGCGAGGTCTTGTGAAAGTTGGTGTCACAGTTCAGGCCCTCT
TGAATTACCTACTACAAAGGCATCTCAGCTTTCTATGGCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA


[View online »](#)

Protein Sequence: >MR206435 representing BC056180
 Red=Cloning site Green=Tags(s)

MEDFYPNKNHGPDSGIGSDNGEKRLSTTEPSDDDTISLHSQVSESNREQTSRNDSHITGSKPDSQKDQEV
 YDFIDPNTEDVAVPEEGDTHIGSFVSFLKGKEKSSEKSQKNEEPPNEKKVDKEQLLPEEEDDDLKEYVDL
 RKIAAQLLKQEQKNSVPADEGNSPLSPLAWQPLENQKDQIVDQQWPESQPIIWQNEERRRSKQIRKEYFK
 YKSTRKNSSGNENEEQESDNAHMSAQSPVSSEYDRSDGF SHGPFGLKPRSAFSRASRQEYGAADPGFTM
 RRMKMEHLREEREQIRQLRNNLESRLKVILPDDIGAALMDGVVLCHLANHIRPRSVASIHVPSPAVPKLSM
 AKCRRNVENFLDACKKLGVSQERLCLPHHILEERGLVKVGVTVQALLELPTTKASQLSMA

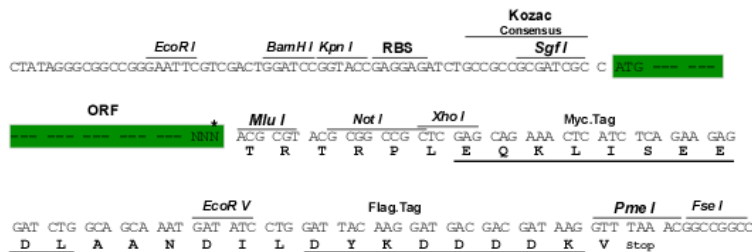
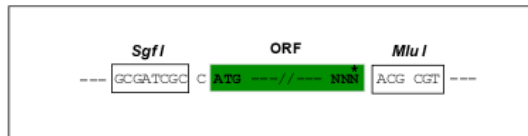
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC056180

ORF Size: 1230 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: [BC056180](#), [AAH56180](#)

RefSeq Size: 1468 bp

RefSeq ORF: 1232 bp

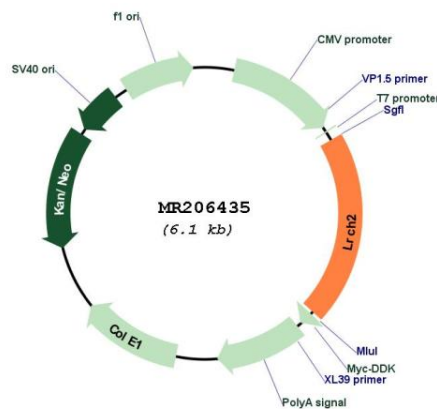
Locus ID: 210297

Cytogenetics: X F2

MW: 53.8 kDa

Gene Summary: May play a role in the organization of the cytoskeleton.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206435