

Product datasheet for **MR217879**

Lrrc56 (NM_153777) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrrc56 (NM_153777) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lrrc56
Synonyms:	5730427C23Rik; BB110509; mFLJ00101
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR217879 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGGACCCAGCCTGGGATGGATCCCAGGGGTCTCGACCAGGCACAGCTAGTATCCGGGTACGGGAGCTGA
 GCTGGCAGGGCCTAAACAACCCCAACCAAAAAGAGACTGGGCAGCCATGGGGATATCCATAGGGA
 GCGGTGGGTGGAGGAGCGCTATCCCCTGCTCGACTGCAGGCCCTGGCCAGGTAGATGACCTCCAACTG
 GTGAGGGTGTGGAGATGTGTGGACACCCGTAAGAACAGCCTGGGAACTTCGGATTGTACCTCCCTA
 ACCTGATCCAAGCTGAAGCTGAACACAGCTACCTGGGCTCCCTCAGAGACCTGGGCACCTCGCTGGCCA
 CCTGCAGGTGCTGTGGCTGGCTCGCTGTGGCTGACTGACTTGGATGGCATTGGCTCCTTCTTGGAACTG
 AAGGAACCTTATGTCTCCTACAACAACATCTCGGACCTGAGCCCACTGTGCCTGCTCGAGCAGCTAGAGG
 TGCTGGACCTGGAGGGCAACAATGTGGAGGACCTGGGGCAGATGCGGTACCTGCAGCTGTGCCACGCTT
 GGCCATGCTCAGCTGGAGGGGAATCTGGTGTGCCTGAAGCCAGATCCTGGCCCTTCCAACAAGGCGCCC
 CAGGGCTACAACCTACAGAGCAGAGGTAAAGAAGCTCATCCCCAGCTGCACGTCCTTGACGAGGTGCCCA
 CTACATGCACCACTGCGCCTGCGCCCCAGACGCTGAGCCAGGACTGGCTGATGGTGAAGGAAGCCATCAA
 GGAAGGCAGCGTGCTTGACATTCTCCTCCCTCGGCTGGATGATCCCCATGGAGCCACCATTCGGAATTT
 GACCCAACCTTGCTGTGCCTGAGACCCAGCCATGGGCCCTGTCCCTGCTGGTCCCTGGGGGCCCCCTTG
 CTGAAGGTCTGCTTTCTGAGAACCCAGCCACAGAAGACCATGCCAGCAACCTCACCATGGTCTGGTCA
 AGTTCTCTGTGGGAACCCACCAAGGCCTTCGAAACGTAGAAACAGTACCAGGAATGGGCACCCCTG
 GAACAGATGCCCCACATAGGCCAGATCTGGCCATCAGACCCTCCACCCAAGGCCTGACCTGCAGAAA
 GCTGTGACCTGGCCATGACTGGGCTTCGGGCTTGACGAGGAGCTGGCCTGCGTCTCTTCTCCAAGACA
 GCTGGAGTTCAGCAGGAAAGATCTGCTCAGGTCCAAGCCAGGACCCACAGAAGGATCCTGTAGAACAG
 GAAGACCAGACTGGACCAAGACTTCCCTAACCCTGCCACGCTGGTCTCAGAACTTTCAGGACATCAG
 GCTTTCATTTGATCCCTTCTCCCCAAAGTACCAATGCCACCTGAGTCAGGCATCAGCTCCTTGGGGAG
 ATCTGCAGACCTGCCCTTCAGAGGACGTAGGCTTAGAGTTCTGGGCAGCTTGGGGCTAGCCTGGGTGAG
 GGGTCTGTCTGGGTGAGAGTTGGCTGCAGTACTGCCTTGAGAGCCCTGGAGGCGTCTCAGGCCCA
 GCCATCGAGCCAGGGATGTCCAGACCAAGCCAGCACTAGTCCAGCAGCTTGCCTCCAGGGCTCCA
 CTGCTTCATCACCTGAACCTATCCCTCCAGCCATTCTCTCCCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR217879 protein sequence
 Red=Cloning site Green=Tags(s)

MDPAWDGSQSRPGTASIRVRELSWQGLNPNHPQNKRLGSHGDIHRERWVEERLSPARLQALAQVDDLQL
 VRVLEMCVDTRKNSLGNFGLYLPNLIQLKLNHSYLGSLRDLGSLGHLQVLWLARCGLTDLGIGSFLEL
 KELVYSYNNISDLSPLCLLEQLEVLDLEGNVEDLGQMRYLQLCPRLAMLTLEGNLVCLKPDPGPSNKAP
 QGYNYRAEVKKLIPQLHVLDEVPTTCTSAAPQTLSDWLMVKEAIKEGSVLDILLPRLDDPHGATIRKF
 DPTLPVPETQPWALSLLVPGGPLPEGLLENPATDHASNLTHGPGQVLCGNPTKGLRKRNRQYQEWAPL
 EQMPPHRPDLAIRPSTPRPDPAESCDLAMTGLRAWTEPGLRPLLQRQLEFQQERSAQVQAQDPQKDPVEQ
 EDQTGPKTSLTPPRLVSELSTSGFHLIPSPKYPMPPESSIGRSLADLPFRGRRLRVLSLGPSTLGE
 GSVLGERLAAVTALRALEASSGSPSHRAQGCPCPKPALGPAACPPGLHCLHHLNPIPPAHSPLP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_153777

ORF Size: 1656 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_153777.2](#), [NP_722472.1](#)

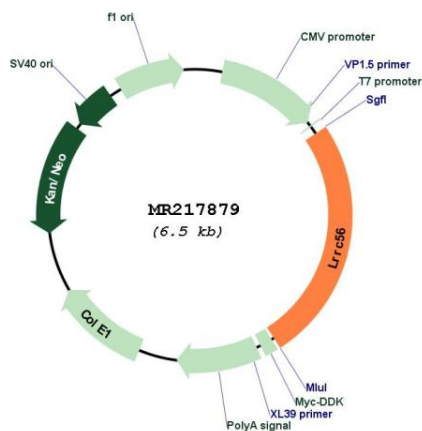
RefSeq Size: 2140 bp

RefSeq ORF: 1659 bp

Locus ID: 70552

UniProt ID: [Q8K375](#)
 Cytogenetics: 7 F5
 MW: 60.5 kDa
 Gene Summary: Required for the assembly of dynein arms.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR217879