

Product datasheet for **MG217879**

Lrrc56 (NM_153777) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrrc56 (NM_153777) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lrrc56
Synonyms:	5730427C23Rik; BB110509; mFLJ00101
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG217879 representing NM_153777
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACCCAGCCTGGGATGGATCCCAGGGGTCTCGACCAGGCACAGCTAGTATCCGGGTACGGGAGCTGA
 GCTGGCAGGGCCTAAACAACCCCAACCAACAAAGAGACTGGGCAGCCATGGGGATATCCATAGGGA
 GCGGTGGGTGGAGGAGCGCTATCCCCTGCTCGACTGCAGGCCCTGGCCAGGTAGATGACCTCCAACTG
 GTGAGGGTCTGGAGATGTGTGTGGACCCGTAAGAAGCAGCCTGGGAACTTCGGATTGTACCTCCCTA
 ACCTGATCCAAGCTGAAGCTGAACCAAGCTACCTGGGCTCCCTCAGAGACCTGGGCACTTCGCTGGGCA
 CCTGCAGGTGCTGTGGCTGGCTCGCTGTGGCTGACTGACTTGGATGGCATTGGCTCCTTCTTGGAACTG
 AAGGAACCTTATGTCTCCTACAACAACATCTCGGACCTGAGCCCACTGTGCCTGCTGAGCAGCTAGAGG
 TGCTGGACCTGGAGGGCAACAATGTGGAGGACCTGGGGCAGATGCGGTACCTGCAGCTGTGCCACGCTT
 GGCCATGCTCACACTGGAGGGGAATCTGGTGTGCCTGAAGCCAGATCCTGGCCCTTCCAACAAGGCGCCC
 CAGGGCTACAACCTACAGAGCAGAGGTAAAGAAGCTCATCCCCAGCTGCACGTCCTTGACGAGGTGCCCA
 CTACATGCACCACTGCGCCTGCGCCCCAGACGCTGAGCCAGGACTGGCTGATGGTGAAGGAAGCCATCAA
 GGAAGGCAGCGTGCTTGACATTCTCCTCCCTCGGCTGGATGATCCCCATGGAGCCACCATTCGGAATTT
 GACCCAACCTTGCTGTGCCTGAGACCCAGCCATGGGCCCTTGCCCTGCTGGTCCCTGGGGGCCCCCTTG
 CTGAAGGTCTGCTTTCTGAGAACCCAGCCACAGAAGACCATGCCAGCAACCTCACCATGGTCTGGTCA
 AGTTCTCTGTGGGAACCCACCAAGGCCTTCGAAACGTAGAAACAGTACCAGGAATGGGCACCCCTG
 GAACAGATGCCCCACATAGGCCAGATCTGGCCATCAGACCCTCCACCCAAGGCCTGACCTGCAGAAA
 GCTGTGACCTGGCCATGACTGGGCTTCGGGCTTGACGAGGAGCTGGCCTGCGTCTCTTCTCCAAGACA
 GCTGGAGTTCAGCAGGAAGATCTGCTCAGGTCCAAGCCAGGACCCACAGAAGGATCCTGTAGAACAG
 GAAGACCAGACTGGACCAAGACTTCCCTAACCCTGCCACGCTGGTCTCAGAACTTTCAGGACATCAG
 GCTTTCATTTGATCCCTTCTCCCCAAAGTACCAATGCCACCTGAGTCAGGCATCAGCTCCTTGGGGAG
 ATCTGCAGACCTGCCCTCAGAGGACGTAGGCTTAGAGTTCTGGGCAGCTTGGGGCTAGCCTGGGTGAG
 GGGTCTGTCTGGGTGAGAGTTGGCTGCAGTACTGCCTTGAGAGCCCTGGAGGCGTCTCAGGCCCA
 GCCATCGAGCCAGGGATGTCCAGACCAAGCCAGCACTAGGTCCAGCAGCTTGCCTCCAGGGCTCCA
 CTGCTTCATCACCTGAACCTATCCCTCCAGCCATTCTCTCCCT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG217879 representing NM_153777
 Red=Cloning site Green=Tags(s)

MDPAWDGSGSRPGTASIRVRELSWQGLNNPQNKRKGSHGDIHRERWVEERLSPARLQALAQVDDLQL
 VRVLEMCVDTRKNSLGNFGLYLPNLIQLKLNHSLGSLRDLGSLGHLQVLWLARGLTDLGIGSFLEL
 KELVYSYNNISDLSPLCLLEQLEVLDEGNNVEDLGQMRYLQLCPRLAMLTLEGNLVCLKPDGPGSNKAP
 QGYNYRAEVKKLIPQLHVLDEVPTTCTSAAPQTLSDWLMVKEAIKEGSVLDILLPRLDDPHGATIRKF
 DPTLPVPETQPWALSLLVPGGPLPEGLLENPATDHASNLTHGPGQVLCGNPTKGLRKRNRQYQEWAPL
 EQMPPHRPDLAIRPSTPRPDPAESCDLMTGLRAWTEPGLRPLLQRQLEFQQERSAQVQAQDPQKDPVEQ
 EDQTGPKTSLTPPRLVSELRTSGFHLIPSPKYPMPPESSIGSLGRSADLPFRGRRLRVLSLGPVSLGE
 GSVLGERLAAVTALRALEASSGSPSHRAQGCPCPKPALGPAACPPGLHCLHHLNPIPPAHSPLP

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-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

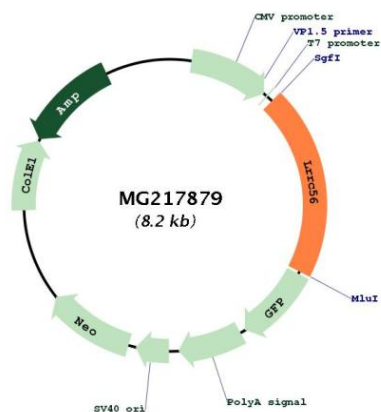
Locus ID: 70552

UniProt ID: [Q8K375](#)

Cytogenetics: 7 F5

Gene Summary: Required for the assembly of dynein arms.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG217879