

Product datasheet for **MG207570**

Lrrc6 (NM_019457) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrrc6 (NM_019457) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lrrc6
Synonyms:	LRTP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>MG207570 representing NM_019457
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGGGCCGAATCACAGAAGATCTTATTAGACGGAATGCTGAGCACAATGACTGTGTAATTTTTCCTGG
 AGGAACTCTCCTGCATCAGCAAGAAATAGAAAGGCTAGAACATATTGACAAATGGTGCCGGGACTTAAA
 AATTCTCTATCTTCAAAATAACCTCATTGGAAAAATTGAAATGTTAGCAAATGAAGAACTTGAATAT
 TTGAAGTAGCATTGAACAACATTGAAAGAATTGAAACTTGAAGGATGTGAGTGGCTGACAAAACCTTG
 ACTTGACTGTAAATTTTATTGGAGAACTGAGCAGCGTTAAACCCCTGACACACAATATTCATCTGAAGGA
 GTTGTCTCATGGTAACCCATGTGCTGACTTTGATGGCTACAGGCAGTTTGTGGTGGTACCTTACAA
 CAGTTAAAGTGGTTGGATGGCAAAGAAATAGAGCGTTCTGAAAGGATCCAGGCATTGCAGAACTACACAT
 CAGTTGAGCAGCAATCAGAGAGCAGGAGAAAGCTTACTGCCTTAGACGAGCCAAAGAGAAAGAGGAAGC
 TCAGAGGAACTCGAGGAAGAAATGAAAGTGAAGACAAGAAGAGCAGCACAGGCTTTGATGGGCAT
 TGGTACACAGACATCCACACTGCTTGCCCATCTGCCACAGAAAACCAAGACTACCCCGAGTACCAGAAA
 CTCAAGAAGAGCAACACACAACAAAGGAATCAGATGACATTGAAGATGATCTGGCATTCTGGAACAAACC
 GTCTTTGTTACCCCTGAATCTAGACTGGAACCTCTCAGACACATGGAACCAAGCGAAAGCCCAAGAT
 AAGTTAAGTGAAGAAAGAAAGGCGAAACACCCCGCACTTTGATTACAGAAGATGGGAAAGTCTGA
 ATGTCAACGAAGCCAACTTGATTTCTCTTTGAAAGATGATGAGAAACACAATCAGATCATCCTGGACCT
 GGCTGTCTATAGGTACATGGATACCTCTTTGATTGAGGTTGATGTGCAGCCAACCTACGTTTCAGTAATG
 GTCAAAGGAAAGCCATTTCAACTTGCCCTTTCTACAGAGGTCCAGCCTGACCGCAGCTCTGCTAAAGGT
 CCCAGACAACAGGACATTTGCTGATCTGCATGCCAAGGTAGGAGAAATGATCACAGGAGGTCAACGAAC
 ACCCACGTCTGTGAAACCACTCAACTAGTAGCAGGGAACAAACAAACCCAGAAAAAGCAGATAGAA
 AGATTGGAAGTTGACCCAGCAAGCATTCTTGCCTGATGTGTCTACCATAGTACAAGAGAAAGACACA
 GACCCAAAGAATGGAATCTCAACCCGAGATGAACCCAGTGAGGAAGATCCAGACTTTGAGGATAACCC
 AGAAGTGCCTCCACTAATT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

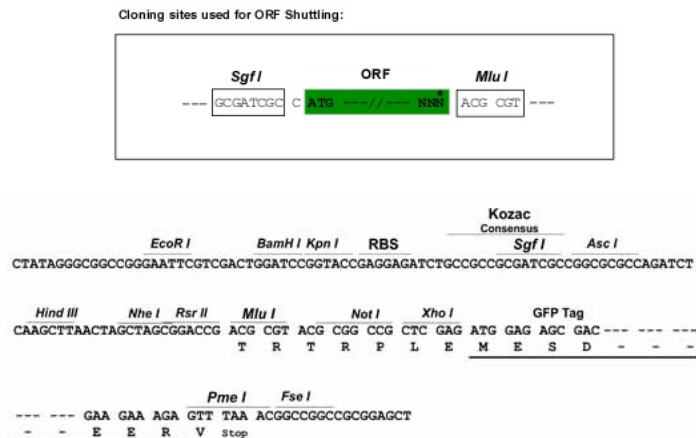
>MG207570 representing NM_019457
 Red=Cloning site Green=Tags(s)

MGRITEDLIRRNAEHNDVIFSLLEELSLHQEIERLEHIDKWCRLKILYLQNNLIGKIENVSKLKKLEY
 LNLALNNIERIENLEGCEWLTKLDLTVNFIGELSSVKLTTHNIHLKELFLMGNPCADFDGYRQFVVVTLQ
 QLKWLDGKEIERSERIQALQNYTSVEQQIREQEKAYCLRRAKEKEEAQRKLEENESEDKKKSSTGFDGH
 WYTDIHTACPSATENQDYPQVPETQEEQHNTKESDDIEDDLAFWNKPSLFTPESTRLETLRHMEKQRKAQD
 KLSEKKKAKPPRTLITEDGKVLNVNEAKLDFSLKDDEKHNQIILD LAVYRYMDTSLIEVDVQPTYVRVM
 VKGKPFQLALSTEVQPDSSAKRSQTTGHLLICMPKVGEMITGGQRTPTSVKTTSTSSREQTNPRKKQIE
 RLEVDPSKHSCPDVSTIVQEKRRHPKRMESQPRDEPSEEDPDFEDNPEVPPLI

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_019457

ORF Size: 1419 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_019457.2](#)

RefSeq Size: 2047 bp

RefSeq ORF: 1422 bp

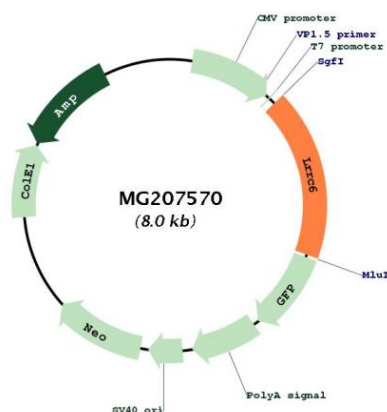
Locus ID: 54562

UniProt ID: [O88978](#)

Cytogenetics: 15 D1

Gene Summary: May play a role in dynein arm assembly, hence essential for proper axoneme building for cilia motility.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG207570