

## Product datasheet for **MR207570**

### **Lrrc6 (NM\_019457) Mouse Tagged ORF Clone**

#### **Product data:**

|                           |                                          |
|---------------------------|------------------------------------------|
| Product Type:             | Expression Plasmids                      |
| Product Name:             | Lrrc6 (NM_019457) Mouse Tagged ORF Clone |
| Tag:                      | Myc-DDK                                  |
| Symbol:                   | Lrrc6                                    |
| Synonyms:                 | LRTP                                     |
| Mammalian Cell Selection: | Neomycin                                 |
| Vector:                   | pCMV6-Entry (PS100001)                   |
| E. coli Selection:        | Kanamycin (25 ug/mL)                     |



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**ORF Nucleotide  
Sequence:**

>MR207570 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGCCGAATCACAGAAGATCTTATTAGACGGAATGCTGAGCACAATGACTGTGTAATTTTTCCTGG  
 AGGAACTCTCCTTGCATCAGCAAGAAATAGAAAGGCTAGAACATATTGACAAATGGTGCCGGGACTTAAA  
 AATTCTCTATCTTCAAAATAACCTCATTGGAAAAATTGAAATGTTAGCAAACTGAAGAACTTGATAT  
 TTGAAGTTAGCATTGAACAACATTGAAAGAATTGAAACTTGGAAGGATGTGAGTGGCTGACAAAACCTTG  
 ACTTGACTGTAAATTTTATTGGAGAACTGAGCAGCGTTAAACCTGACACACAATATTCATCTGAAGGA  
 GTTGTCTCATGGTAACCCATGTGCTGACTTTGATGGCTACAGGCAGTTTGTGGTGGTACCTTACAA  
 CAGTTAAAGTGGTTGGATGGCAAAGAAATAGAGCGTTCTGAAAGGATCCAGGCATTGCAGAACTACACAT  
 CAGTTGAGCAGCAATCAGAGAGCAGGAGAAAGCTTACTGCCTTAGACGAGCCAAAGAGAAAGAGGAAGC  
 TCAGAGGAACTCGAGGAAGAAATGAAAGTGAAGACAAGAAGAGCAGCACAGGCTTTGATGGGCAT  
 TGGTACACAGACATCCACTGCTTGCCATCTGCCACAGAAAACCAAGACTACCCCGAGGTACCGAGAA  
 CTCAAGAAGAGCAACACACAACAAAGGAATCAGATGACATTGAAGATGATCTGGCATTCTGGAACAAACC  
 GTCTTTGTTACCCCTGAATCTAGACTGGAACCTCTCAGACACATGGAAGAAACAGCGAAAGCCCAAGAT  
 AAGTTAAGTGAAGAGAAAGAAAGCGAAACACCCCGCACTTTGATTACAGAAGATGGGAAAGTCTGTA  
 ATGTCAACGAAGCCAACTTGATTTCTTTGAAAGATGATGAGAAACACAATCAGATCATCCTGGACCT  
 GGCTGTCTATAGGTACATGGATACCTCTTTGATTGAGGTTGATGTGCAGCCAATTACGTTTCAGTAATG  
 GTCAAAGGAAAGCCATTTCAACTTGCCCTTTCTACAGAGGTCCAGCCTGACCGCAGCTCTGCTAAAGGT  
 CCCAGACAACAGGACATTTGCTGATCTGCATGCCAAGGTAGGAGAAATGATCACAGGAGGTCAACGAAC  
 ACCCAGCTCTGTGAAACCACTCAACTAGTAGCAGGGAACAAACAAACCCAGAAAAAGCAGATAGAA  
 AGATTGGAAGTTGACCCAGCAAGCATTCTGCTGATGTGTCTACCATAGTACAAGAGAAAGACACA  
 GACCCAAAGAATGGAATCTCAACCCGAGATGAACCCAGTGAGGAAGATCCAGACTTTGAGGATAACCC  
 AGAAGTGCCTCCACTAATT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR207570 protein sequence  
 Red=Cloning site Green=Tags(s)

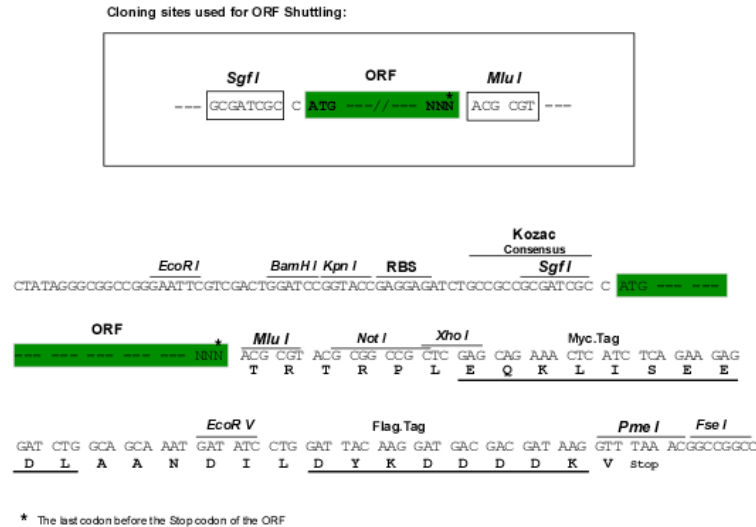
MGRITEDLIRRNAEHNDVIFSLLEELSLHQEIERLEHIDKWRDLKILYLQNNLIGKIENVSKLKKLEY  
 LNLALNNIERIENLEGCEWLTKLDLTVNFIGELSSVKTLTHNIHLKELFLMGNPCADFDGYRQFVVVTLQ  
 QLKWLDGKEIERSERIQALQNYTSVEQQIREQEKAYCLRRAKEEEAQRKLEENESEDKKSSSTGFDGH  
 WYTDIHTACPSATENQDYPQVPETQEEQHNTKESDDIEDDLAFWNKPSLFTPESRLETLRHMEKQRKAQD  
 KLSEKKKKAKPPRTLITEDGKVLNVNEAKLDFSLKDDEKHNQIILD LAVYRYMDTSLIEVDVQPTYVRVM  
 VKGKPFQLALSTEVQPDSSAKRSQTTGHLICMPKVGEMITGGQRTPTSVKTTSTSSREQTNPRKKQIE  
 RLEVDPSKHSCPDVSTIVQEKRRPKRMESQPRDEPSEEDPDFEDNPEVPLI

**TR**TRPLE**QKL**ISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

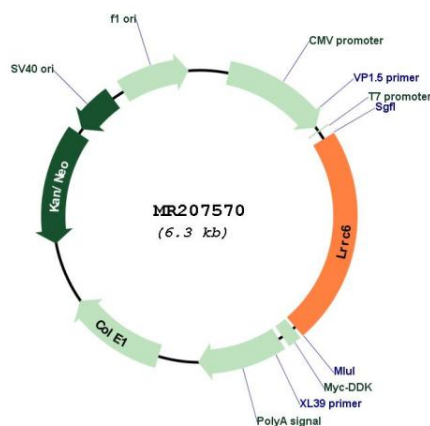
Cloning Scheme:



|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. <a href="#">More info</a>                                                                      |
| 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: | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol> |
| Note:                  | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.                                                                                                                                                                                                                                                                                                                                                                                                |
| RefSeq:                | <a href="#">NM_019457.2</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| RefSeq Size:           | 2084 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| RefSeq ORF:            | 1422 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Locus ID:              | 54562                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

|               |                                                                                                                                        |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------|
| UniProt ID:   | <u>O88978</u>                                                                                                                          |
| Cytogenetics: | 15 D1                                                                                                                                  |
| MW:           | 55 kDa                                                                                                                                 |
| 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 MR207570