

Product datasheet for **MC221879**

Lrguk (NM_028886) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrguk (NM_028886) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lrguk
Synonyms:	4921528H16Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221879 representing NM_028886
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGCCCTTCGAGCGAAATCCCTCGAGATGGAAAGGCACCCGTTTCAGGCGGGTTTGGCGCCCTCTC
 GCATTGCAGCCCAGGCGATACTGTCGCTCACAGAAAAACAAAGTCAGGGCCGTTGGCCTTCTTCCCCCT
 GGGTCTGAAGTCAAAAGGGACTTTCAGAAGCGCTCCTCTTACCTCCTCCACCAGCTCATCCACCCTCT
 CATGAGGCAGAAGCGGAGCAAGAAGAGAAGCAACAGGAGGACGGAGAATCTGAAGAGTCAGAGGAGTCCG
 AAATGCAGAAATTTGGAGGACAAGTATGACGGGATCCTGAGAGAGGAGACCGTGGTGAGGCAATCACTGG
 ATTGGGGTGGTCAGGCCGTGGCACGGAGCAGGTTTACCTCAACCTGAATCTATCGCACTGTGAGTTGGTC
 GACATCAGCATTCTGTGTGGCTATGTCCACCTGCAGAAGTTGAATCTTTCGGGAAACAGAATCGAAGATT
 TGTCTTGTGTGAGCTGCATGCCGTATCTTCTAGAATAAATGCTTCTCAGAACAAGCTGACTACCTTCTT
 CAATTTCAAACCACCCAAAATCTCAAGAAGGTGGATTTTCTCCAACCTGATTTCCGAGATGTATGAC
 CTGTCAGCGTACCATACTCTCACTCAACTAATTTTGGACAACAACGAGATAGAAGAAATCACTGGGCTAG
 AGAACTGCATCAGCCTGACCCACCTTAGTCTGGCTGGCAACAAGTCACTACCATCAAAGCTTAGGGAC
 ATTACCCATCAAAGTGCTTTCTTTGAGTAACAACATGATTGAGACCATCACAGGCTGGAGGAGCTGAAA
 GCCTTGCAGAACCTGGACCTGTCCACAATCAGATCAGCAGCCTCCAGGGCTTGGAGAACCATGACCTCC
 TGGAAAGTATTAACCTGGAGGATAACAAGATTAAGGAGCTGAGTAAAATAGAATACATTGAAAATCTTCC
 TATCCTTCGAGTTCTCAATCTACTAAGGAATCCAATTCAGACCAAGCCCGAGTACTGGTTCTTCGTGATA
 TATATGCTGCTGCGACTGACAGAGTTAGACCAGCAGAAGATTAAGGTAGAAGAAAAGGTTTTTGCAGTGA
 ATAAGTATGACCCTCCCCTGAGGTGGTGCCTGTCCAAGATCACATGACCCATGTTGTCAACAGCATGC
 GCAGCCACAGAGGATCTGGGACAGCACCTGCCGAGTCTGGATGCCCCGTATCCCATGCTCATACTAACT
 GGGCCTGCAGCTTTCGGGAAACGAGAATCTGCCACCCGCTCTGCAGACAGTTTAGTACTTACTTCAGAT
 ATGGGGCTGTACACCACGAGACCCGCTTACTTTGGTGAAGGAGATCGAGTTGATTATCATTTTCATTTT
 CCAAGAAGTTTTTTCGCAAAATGCTGAACATGGGAAAATTTATTTTAACTTTAATATGGCAATCACAAT
 TATGGATTAATAGGGACACGATAGAAGGTATTGCAAGAGATGGATTAGCAAGCTGCATTCATATGGAAT
 TAGAAGGTGAAGAAGTTTGAATATTTCTATTTTTCAGCCTCGATATATCTTGGTGGTGCCTATGGACAA
 GGAATAATAGGGGATACTTGGGAGAAAAGGATTGTTTCAGTCGCGCAGAAATCGAAATGCCGCTCTCC
 AGGGTGGACCTTTATGTTAAAGTTAATCAGAAATACCCAGGATATTTTGCAGTAATCAATGCAGATG
 ACATGGACATTGGCTACCAAAGCTCAGCGAGCTCATTAGAGAATACCTGGGGTTGACTGAGACAGCTGC
 TAAGACCTTGGCTCCAACCTGCAGATACTAAGACGCTTACCTGAAATGCGAAGACTATTCTAGGAAGTCC
 AGTACAGTTGAATTTCTGGATTCAACAGACAGAACTACTTTACCAAATATGGGCCAACTTTTCATCCA
 AAAAGTACCAGTGGAAAGAGAGTCTCTCCACAGACAGCATGAGGCGCCCGCAGGCGCTCATGGGGAA
 GACGCCCGTGATCACACGCTCCTGTTTCAAAGGGTCCAGTACCGATACCTACTGTGAGTGGCCAAACAG
 TATTTTGAACAATAGATGAACTACAGAAAACGTTTTCAGCTCTCTGACGATCTCTTTAAACCCCTCTG
 GAACATAACCTGAAACAAGCAAGGATTTCAATATTTCTAAGAGATATTCTACATACTTTCACTATGTCC
 ATGGTCCAAAGAATTTCCCTTTTCAGCTTCCAGAGGGTGGATCTCATCGCGCCAGGGTCCAGAGGGAGT
 GACGAAGTCGATGGGGCATTGAAAGCTTTCGTGTAGCATCATCTATGCAGGAAAAAGTGGCCAGCACA
 AAAGACTGTCTGCGATTACAATAATGGACCCGGTTCCAACACCAAAACCCACCCTTCTCCGATCCCGCA
 CGGCCGCAGATAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_028886
Insert Size: 2463 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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">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.
RefSeq:	NM_028886.1 , NP_083162.1
RefSeq Size:	3058 bp
RefSeq ORF:	2463 bp
Locus ID:	74354
UniProt ID:	Q9D5S7
Cytogenetics:	6 A3.3
Gene Summary:	Involved in multiple aspects of sperm assembly including acrosome attachment, shaping of the sperm head and in the early aspects of axoneme development (PubMed:25781171). Not essential for primary cilium biogenesis (PubMed:28003339).[UniProtKB/Swiss-Prot Function]