

Product datasheet for **RG206663**

LRRC18 (NM_001006939) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRRC18 (NM_001006939) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LRRC18
Synonyms:	UNQ933; UNQ9338; VKGE9338
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG206663 representing NM_001006939 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTTAAGGGTGAGAAAGGCCCAAGGGCAAGAAGATCACCTCAAGGTGGCCAGGAATTGCATCAAAA
TCACTTTTGATGGGAAAAGCGCCTTGACTTGAGCAAGATGGGAATTACCACCTTCCCAAGTGTATTCT
GCGCCTTAGTGACATGGACGAGCTGGACCTAGCCGGAATCTTATCAGGAAGATCCCTGACTCCATCTCC
AAGTTCAGAACCTCCGGTGGCTGGACCTGCACAGCAACTACATAGACAAGCTGCCTGAGTCCATTGGCC
AGATGACCAGCCTGCTCTACCTCAACGTACGCAACAACCGGCTGACCAGCAACGGGCTGCCCGTGGAGCT
GAAGCAACTCAAGAACATCCGCGCTGTGAACCTAGGCTTGAACCACCTGGACAGCGTGTCCACCACACTG
GGGCCCCTGAAGGAGCTCCACGAGGTAGGGCTCCATGACAACCTACTGAACAACATCCCCGTGAGCATCT
CCAAGCTCCCCAAGCTGAAAAGCTCAACATAAAGCGGAACCCCTTTCCAAGCCAGGTGAGTCGGAAAT
ATTCATAGACTCCATCAGGAGGCTGGAGAACTTGTATGTTGTGGAGGAGAAGGATCTGTGTGCGGCTTGC
CTGAGAAAATGCCAAAACGCCGGGACAACCTGAATAGAATCAAGAACATGGCCACGACGACCCGAGAA
AGACCATCTTTCCAATCTGATCTACCCAATTCATGGCCAAGGACTCCTGGGAAGACTGGAGAATACG
CTTGACATCTTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG206663 representing NM_001006939
 Red=Cloning site Green=Tags(s)

MVKGEKGPKGKKITLKVARNCIKITFDGKKRLDLSKMGITTFPKCILRLSDMDELDSLRLIRKIPDSIS
 KFQNLRWLDLHSNYIDKLPESIGQMTSLLYLNVSNRRLTSNGLPVELKQLKNIRAVNLGLNHLDSVSTTL
 GALKELHEVGLHDNLLNNIPVSIKLPKLLKLNKRNPFKPGESEIFIDSIRRLLENLYVVEEKDLCAAC
 LRKCQNARDNLRRIKMATTTTPRKTIIPNLISPNSMAKDSWEDWRIRLTSS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001006939

ORF Size: 783 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_001006939.2](#), [NP_001006940.2](#)

RefSeq Size: 1653 bp

RefSeq ORF: 786 bp

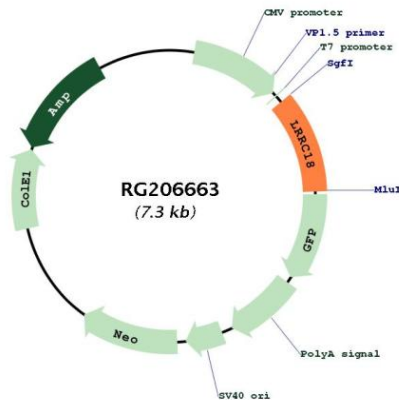
Locus ID: 474354

UniProt ID: [Q8N456](#)

Cytogenetics: 10q11.23

Gene Summary: May be involved in the regulation of spermatogenesis and sperm maturation. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG206663