

Product datasheet for **RG226033**

LRRC70 (NM_181506) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRRC70 (NM_181506) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LRRC70
Synonyms:	SLRN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG226033 representing NM_181506
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGTGTGGATTACAGTTTCTCTGCCTTGCTACGACTGTTTCTGGTTGTACCTGTTATCTTTATTAT
 TACTCCACAAAGAAATACTTGGATGTTCTGCTGTTTGTACGCTCTGCACTGGGAGACAAATTAAGTCCG
 TAACCTTAGGCCTTTCGAGTATTCTAAGAATTTTCTGAAAGTACAGTTTCTGTATCTGACTGGGAAT
 AATATATCTTATATAAATGAAAGTGAATTAACAGGACTTCATTCTCTGTAGCATTGATTTGGATAATT
 CTAACATTCTGTATGTATATCCAAAGCCTTTGTTCAATTGAGGCATCTATTTTCTATTTCTAAATAA
 TAATTTTCATCAACGCTTAGATCCTGGAATATTTAAGGGACTTTTAAATCTTCTGAATTTATATTACAG
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 CTTTGTCTCATAATCCTATTGAAGCAATACAGCCCTTTGCATTTAAAGGACTTGCCAATCTGGAATACCT
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 GAAGATCCTTAATCTGTCATTTAATAATCTTACAGCCTTGATCCAAAGGGTCTTAAAGCCGTTGTCTTCA
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 TCTGTTACCTTGAACCTTGGAAAAAACAGTGCTCTACCGAATGATGCTGCTTCAATGTCAGGAAAAACAT
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 AACTCAAGGGAAATAGACTTGAATACTACAGCTTTTATCAGTCAGCAAGGTATAATGTAAGTGCCTCAA
 TTTGTAACACTTCCCAATCTCTAGAAAGTCTGGCTTGGAGCAGATTCGACTTCATAACAAATGT
 TCCTGAAATGAGGCACAGGTCATTCTTTTGAACATTCTGCTTTA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

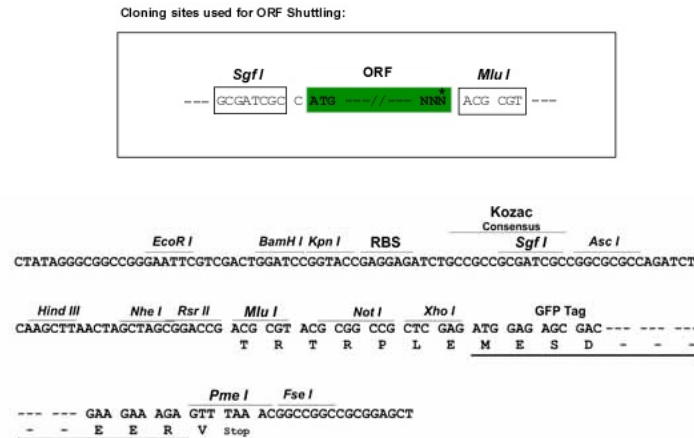
>RG226033 representing NM_181506
 Red=Cloning site Green=Tags(s)

MCGLQFSLPCLRLFLVVTCTYLLLLLHKEILGCSSVCQLCTGRQINCRNLGLSSIPKNFPESTVFLYLTGN
 NISYINESEL TGLHSLVALYLDNSNILVYYPKAFVQLRHL YFLFLNNNFIKRLDPGIFKGLLNLRNLYLQ
 YNQVSFVPRGVFNDLVSVQYLNLRNRLTVLGSFTVGMVALRILDLNNNILRISESGFQHLENLACLY
 LGSNNLTKVPSNAFEVLKSLRRLSLSHNPIEAIQPF AFKGLANLEYLLLNKSRIRNVTRDGFSGINNLLKH
 LILSHNDLENLSDTFSLKLNLIYKLDRNRIISIDNDFENMGASLKILNLSFNNLTALHPRVLKPLSS
 LIHLQANSNPWECNCKLLGLRDWLASSAITLNIYCQNPPSMRGRALRYINITNCVTSSINVSRAWAVVKS
 PHIHHTTALMMAWHKVTTNGSPLENTETENITFWERIPTSPAGRFFQENAFGNPLETTAVLPVQIQLTT
 SVTLNLEKNSALPNDAAASMSGKSLICTQEVEKLNEAFDILLAFFILACVLIIFLIYKVVFQKQKLKASE
 NSRENLEYYSFYQSARYNVTASICNTSPNSLESPGLEQIRLHKQIVPENEAQVILFEHSAL

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_181506

ORF Size: 1866 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.

RefSeq: [NM_181506.5](#)

RefSeq Size: 2290 bp

RefSeq ORF: 1869 bp

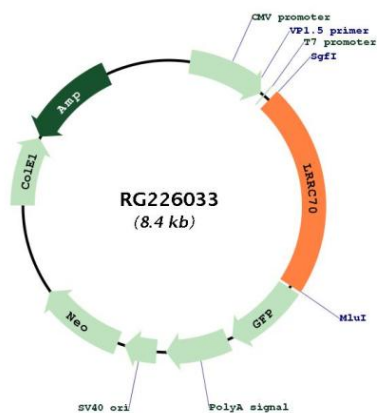
Locus ID: 100130733

UniProt ID: [Q7Z2Q7](#)

Cytogenetics: 5q12.1

Gene Summary: Renders cells highly sensitive to the activation by cytokines and lipopolysaccharide (LPS).
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG226033