

Product datasheet for **RG222703**

LRRC31 (NM_024727) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	LRRC31
Synonyms:	HEL-S-293
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence: >RG222703 representing NM_024727
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAGTCAAACAAGGAAGAAAACTTCTCAGAAGGAGAACTAAGCCCCAGACTTCAACTGTCAACAAAT
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 CGACTGGATACAGAAGACAGCCACCTCAGAGACTGCTAAGCCTCTCAGTTCAGAAATGGAATGGAGATCC
 AGTATGGAGAAAAATGAGCATTTCTGCAGAAGCTGGGCAAAAAGGCTGTCAACAAGTGCTAGATTGGA
 ATAAGTGTGGATTAACAACAGCGGACATGAAAGAAATGGTTGCCTTGCTGCCTTTTCTCCAGACTTGGA
 AGAAGTGGATATCTCCTGGAATGGTTTGTAGGTGGAACCTCCTTTCCATCACTCAGCAAAATGCATCTG
 GTCAGCAAGTTAAAAATCTTGAGGCTGGGTAGCTGCAGACTCACCAGTACGATGTTCAAGCACTGGGAG
 AAGCATTTGAGATGATTCTGAAGTGAAGAGCTAAATTTGTCTTGAACAGTAAAGTGGGAGGAAATTT
 GCCTCTGATCCTTCAGAAGTTCAAAAAGGGAGCAAGATACAAATGATTGAGCTTGTGGATTGCTCCCTC
 ACGTCAGAAGATGGGACATTTCTGGGTCAACTGCTACCTATGCTGCAAGTCTCGAAGTACTTGATCTTT
 CCATTAACAGAGACATTGTTGGCAGTCTGAACAGTATTGCTCAGGGATTAAGAACACCTCAAACTGAA
 AGTACTGAAGTTACATTCATGTGGATTATCAGAAAAGAGTGCAAAATATTGGATGCTGCTTTTAGGTAT
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 CGGTACATACAGACGGGTCACTGCGCAAACTGCAAAAGCTGGACCTGAGCTACAATGACAGCATCTGTGA
 TCGGGGTGGACCATGTTCTGCCAAACGTGCGGTTCTCAAGAGCTAATCGAGCTGGATATTAGCCTT
 CGACCATCAAAATTTTCGAGATTGTGGACAATGGTTTAGACACTTGTATATGCTGTGACCAAGCTTCCTC
 AGATCACTGAGATAGGAATGAAAAGATGGATTCTCCAGCTTCACAGGAGGAAGAACTAGAATGCTTTGA
 CCAAGATAAAAAAGAAGCATTCACTTTGACCATGGTGGGTTTCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

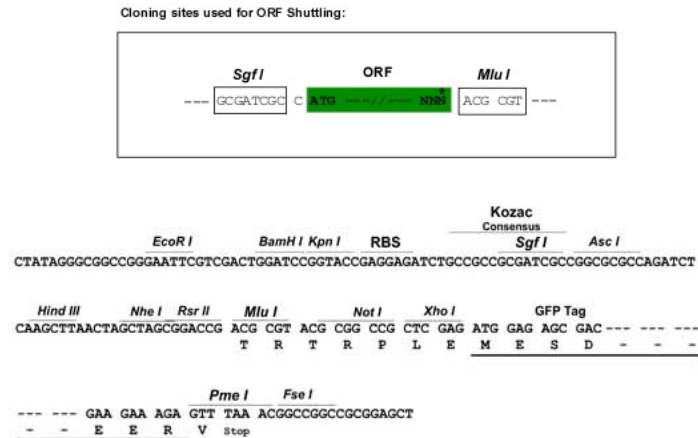
Protein Sequence: >RG222703 representing NM_024727
 Red=Cloning site Green=Tags(s)

MSQTRKKTSSSEGETKPQTSTVNKFLRGSNAESRKEDNDLKTSDSQPSDWIQKTATSETAKPLSSEMEWRS
 SMEKNEHFLQKLKKAIVNKCLDLNCCGLTTADMKEMVALLPFLPDLEELDISWNGFVGGTLLSITQMH
 VSKLKILRLGSCRLTTDDVQALGEAFEMPELEELNLSWNSKVGGNLPILQKFQKGSKIQMIELVDCSL
 TSDEGTFLGQLPMLQSLEVLDSLNRDIVGSLNSIAQGLKSTSNLKVLLHSCGLSQKSVKILDAAFRY
 LGELRKLDLSCNKDLGGGFEDSPAQLVMLKHLQVLDLHQCSTADDVMSLTQVIPLLSNLQELDLANKK
 MGSSSENLLSRLRFLPALKSLVINNCALESETFTALAEASVHLSALEVFNLWNKCVGGNLLKLLLETLKL
 SMSLQVLRLLSSCLVTEDEVALLASVIQTGHLAKLQKLDL SYNDSICDAGWTMFCQNVRFKELIELDISL
 RPSNFRDCGQWFRHLLYAVTKLPQITEIGMKRWILPASQEEELCFDQDKKRSIHFDHGGFQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024727

ORF Size: 1656 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.

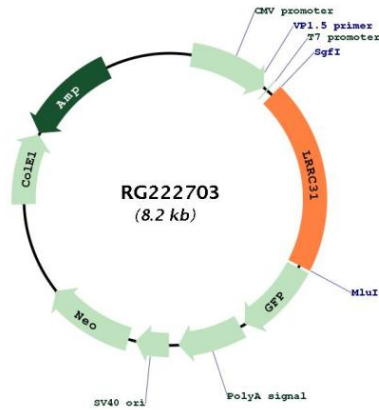
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_024727.4](#)

RefSeq Size: 2520 bp

RefSeq ORF:	1659 bp
Locus ID:	79782
UniProt ID:	Q6UY01
Cytogenetics:	3q26.2
Domains:	LRR, LRR_RI, LRR_PS

Product images:



Circular map for RG222703