

Product datasheet for **RG207740**

LRRC49 (NM_017691) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	LRRC49
Synonyms:	PGs4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG207740 representing NM_017691
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGATTCGCCGGAATATCGCTCTGTTTCTGGCCGGGCTGCGAACAACGTGAAGTCCGGGCTTCATCTGG
 TTATTCAAACATCATCGCTTCCTGAAAAAACAAGTTGAATTCAGCTAAATAAGACACATCGTCATT
 CCCCAGTAGACTTTTACAACATGACCTTGAAAGAACTACTCAAGTAGGCAAGGTGATCATATTAATTTG
 GTGAGCTCATCTGTGATCATTTCTCTTCAACGTTCTTCTGAAGAGAAAATCTTTACTCAGACA
 GGTGTGAGCTAGAAAGACAAAAGCTGACCGTATGTCTATCATCAATGGGAAGACCACCTTCGTTTGT
 GAACCTTCAACACAATTTTATACTCGGATACAAAATATTTCTAATCTACAGAAGTTAATATCGTTGGAT
 TTATATGATAACCAGATTGAAGAAATTAGTGGGCTTTCGACTCTGAGATGTCTTCGTGCTCTCTGTTGG
 GGAAAAACAGAATCAAGAAAATCTCAATCTGGAGAATCTAAAAAGCTTAGATGTCTTGATCTTCATGG
 AAATCAGATTACCAAAATTGAAAATATTAATCATTTGTGTGAGTTGAGAGTTTTAAATCTTGCCAGGAAC
 TTTTAAAGTCATGTTGATAATCTTAATGGGCTGGATTCACTAACTGAACTTAACCTGCGACACAATCAAA
 TCACCTTTCGTGAGAGATGTGGATAATTTGCCCTGCCTCCAACATCTCTTCTCAGCTTTAAACAATATATC
 TAGTTTTGACAGTGTTCCTGCCTTCTGACTCTTCTCCCTCTCGGACATCACCTTTGATGGCAATCCC
 ATAGCTCAAGAGTCATGGTACAAACACACTGTCCTTCAGAATATGATGCAGCTGCCCAGCTAGATATGA
 AGAGAATCACGGAAGAAGAAAGGCGTATGGCATCTGTTTATGCCAAAAAGAGGAAGAGAAGCAAGCGGGA
 AAGTCATAACAATCTTTGCTTAAGGAGAAGAAAGGTTAACAATTAACAACGTAGCTCGACAGTGGGAC
 TTGCAACAACGAGTAGCCAATATTGCTACAAATGAAGATAGAAAAGATTCTGACTCTCTCAGGACCCCT
 GTCAGATTGATGGAAGCACCTCTCTGCATTCCAGAGGAAACAGGGCTCTAGACTCAGGACTCAACAA
 TGCTTTACAAGGTTTATCTGTATAGACACATACCTTTGTTGAAGTGGACGGGATACACTTTCCCTATAT
 GGCTCAGGAGCACTGGAATCTCTGGATAGGAATTGGAGTGTCAACAGCAGGAATGATCACAACAGTCT
 CCTTCACTTTCATAGAATTGATGAAATCGTCCAAGTCTTCTAACTGAAGATTAAGTTTCTAATTC
 TCTGCACCTTAAATCAAGGAAACAATCTTGTATGCTGCAGCAATTTAACGCACTAGCCCACTCCGT
 CGTATTGACCAAGTTGACAATTGATCTCAAGGAAATCCAGTTGTCAATTTACACTCTGGAATACTATG
 TACTGTTTAGGCTAAGCCATTTCAATGATGAGAAAATAAATGGAACAGAGGTGACACAGAATGATATGAT
 AATGGCTGAAAGGCTCTTTGGAATCTAGCACATGTAGCATCTTCTGAGTTACCCAGTATCGTCTGATT
 TCCATTCTGGGTGATGCCAGGAAAAAGCAATTTGGTATCTACTAGAATCCAAGGAAAAAACCTGGTA
 TTATCAACGAAGAAAAATATGACAGCAAAAGACTTGTAGGAGAAAAACAAATCGTGTACATTAATTA
 TACTACAAGAGACTTTTATAATGAAAAGCTAGAGGAAATAAAGGAAAAAGAAATCTGTAACATAT
 ATAGAAGACCTTGTGAAGGAAGCCACAGAAATCAACATGAAAAATGAGGCTTTGAGAAGCTTTGGCCAC
 AGATGTTTATTGAGCTTGTAGGGATGCAGTCATAGAAATTCGAATAAAAAATCTATATGAAGCTCTG
 CCTACAGCAGATAACAGACCAAAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

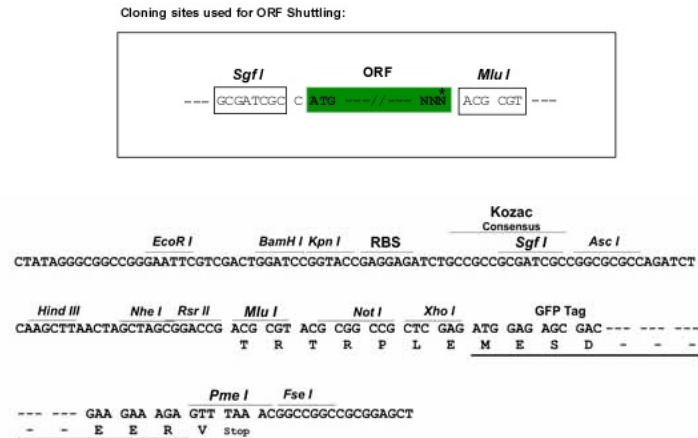
Protein Sequence: >RG207740 representing NM_017691
 Red=Cloning site Green=Tags(s)

MIPGKYRSVSGRAANNVNCGLHLVIQTSSLPEKNKVEFKLNKDTSSFPGRLLQHDLEARNYSSRQGDHINL
 VSSSLSSFPILQRSSEKILYSDRLSLERQKLTVCPIINGEDHLRLNLFQHNFIQINISNLQKLI
 LYDNQIEEISGLSTLRCLRVLLGKNRIKISNLENLKSLDVLDLHGNQITKIENINHLCELRVNLARN
 FLSHVDNLNGLDSLTELNRHNQITFVRVDNLPCLQHLFLSFNNISSFDSVSLADSSSLSDITFDGPN
 IAQESWYKHTVLQNMQLRQLDMKRITTEERRMASVLAKKEEEKKRESHKQSLLEKKRLTINNVARQWD
 LQQRVANIATNEDRKDSDSPQDPCQIDGSTLSAFPEETGPLDSGLNNALQGLSVIDTYLVEVDGDTLSLY
 GSGALESIDRNWSVQTAGMITTVSFTFIEFDEIVQVLPKLKIKFPNSHLKFKETNLVMLQQFNALQRL
 RIDQLTIDPQGNPVVNTLWKYYVLFRLSHFSMQKINGTEVTQNDMIMAERLFGILAHVASSELQYRLI
 SILGDARKQFRYLLESKGGKPGIINEENNDKRLVGENTNRATLNYTTTRDFYNEKLEEIKEKKKFKCTY
 IEDLVKEATEINMKNEALQKLWPMFIELVRDAVIEIRNKNSYMKLCLQQITDQK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_017691

ORF Size: 2055 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.

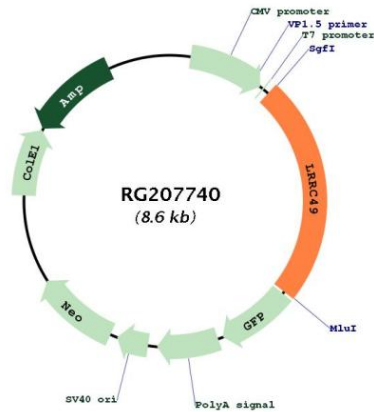
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_017691.2](#), [NP_060161.2](#)

RefSeq Size: 2809 bp

RefSeq ORF:	2061 bp
Locus ID:	54839
UniProt ID:	Q8IUZ0
Cytogenetics:	15q23
Domains:	LRR, LRR_TYP, LRR_SD22

Product images:



Circular map for RG207740