

Product datasheet for **RG231377**

LRRC49 (NM_001199017) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRRC49 (NM_001199017) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LRRC49
Synonyms:	PGs4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG231377 representing NM_001199017
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGATTCCCGGGAATATCGCTCTGTTTCTGGCCGGGCTGCGAACACGTGAAGTGGGCTTCATCTGG
 TTATTCAAACATCATCGCTTCTGAAAAAACAAGTAAGATTTAAGAAGTTGAATTCAGCTAAATAA
 AGACACATCGTCATTCGCCGGTAGACTTTTACAACATGACCTTGAAGAACTACTCAAGTAGGCAAGGT
 GATCATATTAATTTGGTGAGCTCATCTTGTATCATTTCCTATTCTTCAACGTTCTTCTGAAGAGAAAA
 TTCTTTACTCAGACAGGTTGAGCCTAGAAAAGACAAAAGCTGACCGTATGTCCTATCATCAATGGGGAAGA
 CCACCTTCGTTTGTGAAGTTCACACAATTTATAACTCGGATACAAAATATTTCTAATCTACAGAAG
 TTAATATCGTTGGATTTATGATAACCCAGATTGAAGAAATTAGTGGGCTTCGACTCTGAGATGTCTTC
 GTGTCCTTCTGTTGGGAAAAACAGAATCAAGAAAATCTCAAATCTGGAGAATCTAAAAAGCTTAGATGT
 CTTGGATCTTCATGGAATCAGATTACCAAAAATGAAAAATTAATCATTGTGTGAGTTGAGAGTTTTA
 AATCTTGGCAGGAACTTTTAAGTCATGTTGATAATCTTAATGGGCTGGATTCACAACTGAACCTAACT
 TGCGACACAATCAATCACTTTCGTGAGAGATGTGGATAATTTGCCCTGCCTCCAACATCTCTTCTCAG
 CTTTAAACAATATATCTAGTTTTGACAGTGTTCCTGCCTTGCTGACTCTTCTCCCTCTCGGACATCACC
 TTTGATGGCAATCCCATAGCTCAAGAGTCATGGTACAAACACACTGTCCTTCAGAATATGATGCAGCTGC
 GCCAGCTAGATATGAAGAGAATCACGGAAGAAGAAAGGCGTATGGCATCTGTTTTAGCCAAAAAAGAGGA
 AGAGAAGAAGCGGAAAGTCATAACAATCTTTGCTTAAGGAGAAGAAAAGGTTAACAAATTAACAACGTA
 GCTCGACAGTGGGACTTGCAACAACAACGAGTAGCCAATATTGCTACAAATGAAGATAGAAAAGATTCTG
 ACTCTCCTCAGGACCCCTGTCAGATTGATGGAAGCACCCCTCTGCAATCCAGAGGAAACAGGCCTCT
 AGACTCAGGACTCAACAATGCTTTACAAGGTTTATCTGTATAGACACATACCTTGTGAAGTGGACGGG
 GATACACTTCCCTATATGGCTCAGGAGCACTGGAATCTCTGGATAGGAATTGGAGTGTTCAAACAGCAG
 GAATGATCACAACAGTCTCCTTCACTTTTATAGAATTTGATGAAATCGTCCAAGTCTTCTAAACTGAA
 GATTAAGTTTCTAATTCTGACCTTAAATCAAGGAAACAAATCTTGTAAATGCTGCAGCAATTTAAC
 GCACTAGCCCAACTCCGTCGATTGACCAGTTGACAATGATCCTCAAGGAAATCCAGTTGTCAATTTTA
 CACTCTGGAAATACTATGTACTGTTTAGGCTAAGCCATTTAGTATGCAGAAAATAAATGGAACAGAGGT
 GACACAGAATGATATGATAATGGCTGAAAGGCTCTTTGGAAATCCTAGCACATGTAGCATCTTCTGAGTTA
 CCCAGTATCGTCTGATTCCATTCTGGGTGATGCCAGGAAAAAGCAATTTCCGGTATCTACTAGAATCCA
 AAGGAAAAAACCTGGTATTATCAACGAAGAAAATAATGACAGCAAAAGACTTGTAGGAGAAAACACAAA
 TCGTGCTACATTAATTATACTACAAGAGACTTTTATAATGAAAAGCTAGAGGAAATAAAGGAAAAGAAG
 AAATTCGTAAAACATATATAGAAGACCTTGTGAAGGAAGCCACAGAAATCAACATGAAAAATGAGGCTT
 TGCAGAAGCTTTGGCCACAGATGTTCAATTGAGCTTGTAGGGATGCAGTCATAGAAAATTCGCAATAAAAA
 TTCTATATGAAGCTCTGCCTACAGCAGATAACAGACCAAAAA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG231377 representing NM_001199017
 Red=Cloning site Green=Tags(s)

MIPGKYRSVSGRAANNVNCGLHLVIQTSSLPEKNKVRFKKVEFKLNKDTSSFPGRLLQHDLERNYSSRQG
 DHINLVSSSLSSFPILQRSSEEKILYSDRLSLERQKLTVCPIINGEDHLRLLNFQHNFITRIQNISNLQK
 LISLDLYDNQIEEISGLSTLRCLRVLVLLGKNRIKIKISNLENLKSLDVLDLHGNQITKIENINHLCELRLV
 NLARNFLSHVDNLNGLDSLTELNLRHNQITFVRDNDLPCQLHLFLSFNNISSFDSVSCLADSSSLSDIT
 FDGNPIAQESWYKHTVLQNMMLRQLDMKRITTEERRMASVLAKEEEEKRESHKQSLLKEKKRLTINNV
 ARQWDLQQQRVANIATNEDRKSDSPQDPCQIDGSTLSAFPEETGPLDGLNNAQLGSLVIDTYLVEVDG
 DTL SLYGSGALES LDRNWSVQTAGMITTVSFTFIEFDEIVQVLPKLIKFPNSLHLKFKETNLVMLQQFN
 ALAQLRRIDQLTIDPQGNPVVNF TLWKYYVLFRLSHFSMQKINGTEVTQNDMIMAERLFGILAHVASSEL
 PQYRLISILGDARKKQFRYLLESKGGKPGIINEENNDSKRLVGENTNRATLNYTTTRDFYNEKLEEIKEKK
 KFCKTYIEDLVKEATEINMKNEALQKLWPMFIELVRDAVIEIRNKNSYMKLCLQQITDQK

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001199017

ORF Size: 2073 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_001199017.2](#)

RefSeq Size: 2883 bp

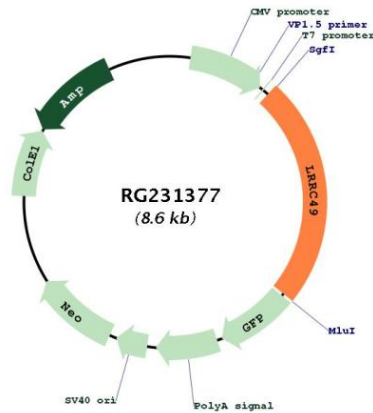
RefSeq ORF: 2076 bp

Locus ID: 54839

UniProt ID: [Q8IUZ0](#)

Cytogenetics: 15q23

Product images:



Circular map for RG231377