

Product datasheet for **RG234725**

LRRC68 (PPPIR37) (NM_019121) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	LRRC68
Synonyms:	LRRC68
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence: >RG234725 representing NM_019121
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAGATCGCGCCGAGGAGGCGCCCGCTGCCGGGCGCGACGGCGACATTGAAGAGGCCCCAGCTG
 AGGCCGGGTCTCCAGCCCCGCGTCGCCCCCGCGATGGGCGCCTCAAGGCTGCAGCCAAGCGCGTCAC
 ATTCGCGTCCGACGAGGATATCGTGTCTGGAGCAGTGGAGCCCAAAGACCCCTGGAGACATGCCAGAAT
 GTGACCGTGGACGAGGTTCATCGGCGCTACAAGCAGGCTGCCAGAAGCTGAAGTGCAGGCAGATCCCCA
 AGCTCTCAGGAGCTGCAGGAATTCACAGACCTCGGGACCGCCTCGACTGTCTGGACCTGAAAGGTGA
 GAAGCTTGACTACAAGACCTGTGAGGCCCTGGAAGAGGTCTTCAAGAGGCTGCAGTTCAAGGTCTGGAC
 CTGGAGCAGACAAACCTGGATGAAGATGGTGCCTCGGCCCTCTTCGACATGATCGAGTACTACGAGTCGG
 CCACCCACCTCAACATCTCCTTCAACAAGCACATCGGCACCGGGGCTGGCAGGCGGCGCCACATGAT
 GCGCAAGACGAGTGCCTGCAGTATCTGGACGCGCCGAACAGCCCTGCTGGACCACTCGGCGCCCTTC
 GTGGCCCGTGCCCTGCGCATCCGACAGCAGCTGGCAGTGTGCACTTGGAGAAGCCAGCCTGTGCGGGC
 GGCCCTCATGCTGCTCGCCACGGCCCTGAAGATGAACATGAACCTGCGGGAGCTGTACCTGGCGGACAA
 CAAGCTCAACGGCTGCAGGACTCGGCCAGCTGGGTAACCTGCTCAAGTTCACTGCTCCTGCAGATC
 CTGGACCTCCGGAACAACACGTGCTAGACTCGGCTGCGCTACATCTGCGAGGGCTCAAGGAGCAGA
 GGAAGGGGCTGGTGACCTGGTGTGTGGAACAACAGCTCACGCACACAGGCATGGCCTTCTGGGCAT
 GACACTGCCGACACTCAGAGCTGGAGACGCTGAACCTGGGCCACAACCCATCGGGAACGAGGTGTG
 CGGCACCTCAAGAACGGGCTCATCAGCAACCGCAGCGTGTGCGCCTCGGGCTGGCCTCCACCAAGCTCA
 CGTGCGAGGGCGCGGTGGCGTGGCGGAGTTTCATCGCTGAGAGCCCCGCTCCTGAGACTGGACCTTCG
 GGAGAACGAGATCAAGACAGGCGGGCTCATGGCACTGTGCTGGCCCTCAAGGTGAACCACTCACTGCTG
 CGCCTGGACCTCGACCGTGAACCAAGAAAGAGCGGTGAAGAGCTTTCATCGAGACGAGAAGGCGCTGC
 TGGCCGAGATCCAGAACGGCTGCAAGCGCAACTTGGTGTGCGCGGGAGAGGAGGAGAAGGAGCAGCC
 GCCACAGCTGTGCGCTCCATGCTGAGACACCGCCACCGAGCCCGAGCCGACGAGCGCCGCGCT
 GGGGTGCAGAACGGGGCCCCAGCCCCGCAACCCAGCCGACTCAGACTCAGACTCGGACTCGGATGGGG
 AGGAAGAGGAGGAAGGAAGGGGAGAGGACGAGACCCCTGTCTGCCCTGGTGCCCCCACGGAAGTCT
 CCTGGGCCCTGGGACAGGAGTCCCCAGGACGCCCCCACCACCCAGCAGCGGATTTCCGTGTCC
 AGCCCCGGGCGGGGCCACAAGGTGTTGTGGTGACCCGGGTGGAGAGCCCGCCGAGAGGGCAGAGCCCC
 CTGCGTCCCCCACCCTCCCTCTCCCCACCCCTCCCTCCCCACCCGCTCACCTTCCCTACCACACAGC
 CGGGGCCATTGACACCGGGACACAGGGTCTCTGAGCCTCAGCCACCACCGAGCCGCTCGGTAGGG
 CCACCACTGCCAACGGCTGAAGCCCGAGTTCGCCCTGGCACTGCCCCCTGAGCCGCCCGGGGCGCTG
 AGGTCAAGGGGGCAGCTGCGGCTGGAGCAGAACTGAGCTGCTCAAGAAGCAGAGGAGCTCGAGGA
 GCTGCTTCTGGAAGCCAGTCAGGAATCCGGGCAGGAGACACTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAA

Protein Sequence: >RG234725 representing NM_019121
 Red=Cloning site Green=Tags(s)

MEIAPQEAPPVPGADGIEEAPAEAGSPSPASPPADGRLKAAAKRVTFPSDEDIVSGAVEPKDPWRHAQN
 VTVDEIVIGAYKQACQKLNCRQIPKLLRQLQEFDTLGHRLDCLDLKGEKLDYKTCALVEEVFKRLQFKVVD
 LEQTNLDEDGASALFDMIEYYESATHLNISFNKHIGTRGWQAAAHMMRKTSCLYLDARNTPLLDHSAPF
 VARALRIRSSLAVLHLENASLSGRPLMLLATALKMNMNRLRELYLADNKLNLQDSAQLGNLLKFNCSLQI
 LDLRNNHVLDSGLAYICEGLKEQRKGLVTLVLWNNQLTHTGMAFLGMTLPHTQSLETNLGNHPIGNEGV
 RHLKGLISNRSVLRGLASTKLTCGAVAVAEFIAESPRLLRLDLRENEIKTGGLMALSLALKVNHSL
 RLDLREPKKEAVKSFIEQKALLAEIQNGCKRNLVLAREEEKEQPPQLSASMPETTATEPQPDDEPAA
 GVQNGAPSPAPSDSDSDSDGEEEEEEGERDETPCPALVPPTDSLPGDRSPPGSPSTPTEQRISVS
 SPGRGHKVFVVRVESPPERAEPASPTPPSPPPSPSPSLPPAGIDTRDTSSEPQPPPEPRSG
 PPLPNGLKPEFALALPPEPPPGPEVKGGSCGLEHELSCSKNEKELELLLEASQESGQETL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_019121

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.

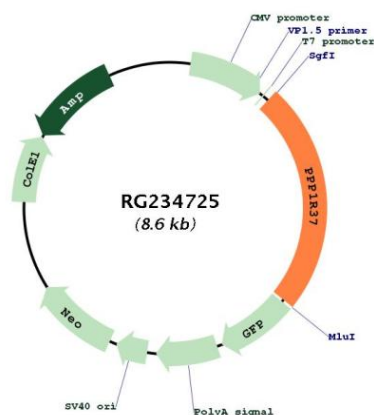
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_019121.2](#)

RefSeq Size: 2952 bp

RefSeq ORF:	2076 bp
Locus ID:	284352
UniProt ID:	O75864
Cytogenetics:	19q13.32
Gene Summary:	Inhibits phosphatase activity of protein phosphatase 1 (PP1) complexes.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG234725