

Product datasheet for **RG211354**

LRRC58 (NM_001099678) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRRC58 (NM_001099678) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LRRC58
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG211354 representing NM_001099678 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGAGGCCGGAGCAGCGGTGGTCACGGCCGGGAGGCCGAAGTGAAGTGGTCCCGCCTCAGCGTGT
CCACCGAGACGCTGGAGTCTGAGCTGGAGGCGCGGGGGAGGAGCGGCGCGGGGCGGGAGGCGCTGCT
GCGGCTGCTGCTGCCTCACAACCGTCTGGTGTGCTGCCACGGGCGCTGGGCAGCGGCTTCCCGCACCTC
CAGCTGCTGGACGTGAGCGGCAACGCGTTGACCGCGCTCGGGCCGGAGCTGCTCGCTTGCAGCGGCTGC
GCACGCTGCTGGCCAAGAACAACCGGCTCGGCGGGCCAGTGCCTGCCAAGGGCCTGGCCAGTCGCC
GCTCTGCCGAGCCTCCAGGTGCTCAACCTCAGCGGCAACTGTTCCAGGAGGTGCCTGCCTCGCTCTTA
GAGCTGCGCGCGCTGCAGACCTGAGCCTGGGCGGCAACCAACTGCAGAGCATCCCGGCTGAGATCGAGA
ACTTGAGAGTTTAGAGTGTATATCTTGAGGAAATTCATTAAGAAATCCACAGAAATTAGGAAA
TCTGCCTTCTGAATTATTTGGTATTATGTGACAACAAATCCAAAGCATACCTCCTCACTTTACAG
TTACATTCACCTTCGTTCCCTAAGTCTTCAATAACTTGCTGACATATCTGCCTCGAGAGATCCTCAACC
TTATTCATTTGGAAGAGTTGAGTTACGAGGAAATCCATTGGTTGTTGTTTTGTTAGAGATTTAACCTA
TGATCCTCAACTCTCCTGGAATTAGCTGCACGACCATTAAGATTGAAATATTTCTACACTCCCTAT
GATCTTCTGAAATCTTCTAGATACTTGGGTTAGCCAGCAATTGCCAAACCCAAAGTGTGGAGGAG
TCTACTTTGACTGCTGTGTGAGACAAATTAATTTGTGGACTTCTGTGGGAAGTATCGCCTCCCACTGAT
GCACTACTTGTGTTACACAGAATGTTCTTCCCCTTGCAAGTTCTGCCTCTCACAGTCCACTTCCCAGAGT
GAATCTGACTCAGAAGATGAAGTAGTGTGCTGCACGAGAATGCAGAAAGTTCTTCTTGGT

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG211354 representing NM_001099678

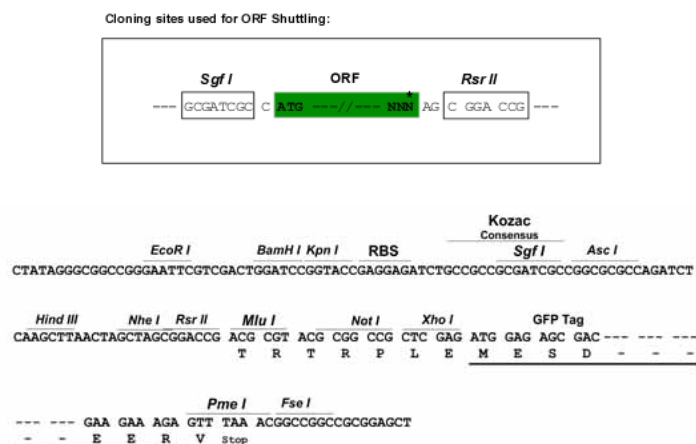
Red=Cloning site Green=Tags(s)

MEEGAAGAVVTAGEAELNWSRLSVSTETLESELEARGEERRGAREALLRLLLPHNRLVSLPRALGSGFPHL
QLLDVSGNAL TALGPELLALRGLRTLAKNNRLGGPSALPKGLAQSPLCRSLQVLNLSGNCFQEVPA
SLLELRALQTL SLGGNQLQSTPAE IENLQSL ECLYLGGNF IKEIPPELGNLPSLNYL VLC
DNKIQSIPPQLSQ LHSRLSLSHNNLL TYPREILNL IHLEELSLRGNPLVVRFVRDLTYDPPTLLE
LAARTIKIRNISYTPY LDPGNLLRYLGSANCKNPKKGGVYDFCCVRQIKFVDFCGKYRLPLM
HYLCSPECCSPCSSASHSSTSQS

SGP^{TR}RRLE - GFP Tag - V

Restriction Sites: Sgfl-Rsrll

Cloning Scheme:



ACCN: NM_001099678

ORF Size: 1113 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_001099678.2](#)

RefSeq Size: 7683 bp

RefSeq ORF: 1116 bp

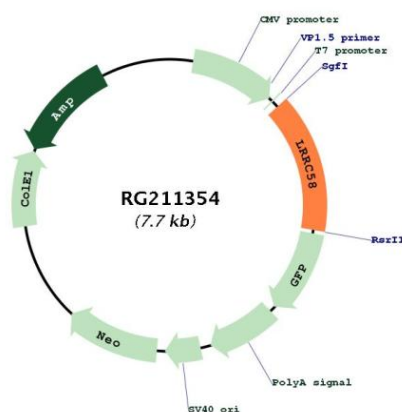
Locus ID: 116064

UniProt ID: [Q96CX6](#)

Cytogenetics: 3q13.33

Protein Families: Druggable Genome

Product images:



Circular map for RG211354