

Product datasheet for **RG216649**

LRRC14B (NM_001080478) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	LRRC14B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG216649 representing NM_001080478
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGACACAATGAGGTCACTCCGTTCAATTCCTGCAGAAGCTCTGGTGTCCACCCCAGGTGGCCCGGC
 AGAGCCTGGACAGCGTGGCCCAACCTCTACCACTCCTGTTCAAAGCCAGCTACCTGCTGGAGCAGGC
 GGAGGTGACGCGCGCGGTGCTGGGGCGCTGGCCCTGGAGGAGTTCGGCTGGGAGCGCTGCTGGGTCTT
 GGTGCCGACCAACCCAGGACCTGCGCGACAGAACCTGCAGGGCTGCCTGGAGGCGCTGGTGCAGCGCC
 TCGCGGACCACTGCTGCAGGACCGAGCGCGCGGCTGCGGGTGGCTGACCTCACGGGCATCCGAGA
 TGTGCAGGTGCAGCGGTGCCCGTGGGGAGGGCGCTGGGCAGGTGGGGCCGCACCCAGCTGCTGGCCAGG
 ACCTGCTGTGAGCTGCAGGCAGAGCCCTCGCAGCGGGCGCCCGTGCAGGTCTCGCCGACCTCTTCG
 TCACTGAGGGCACTTCGAGGCGGTGGTGCAGGCTCTGAGGCCAGCGGGCCGCCCCCTCTGCGGGTGCA
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 GAACCCGCTGTCGCCCCGCGCCTCCGGCGCCTTTCACCGCACTCTGTGAGCTCCCGAGCTGCGCTGC
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 CCAAGTTCAACCAGCAGAAATACGACGAGATCGCCGAGGAGCTGCGTGCCGTGCTGCTGCGGGCTGACCG
 AGAGGACATCCAAGTCTCCACACCTCTCTTGAAGTTTGAACCCAGACATTCAAGAAACAAGCAATGAG
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 AG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAA

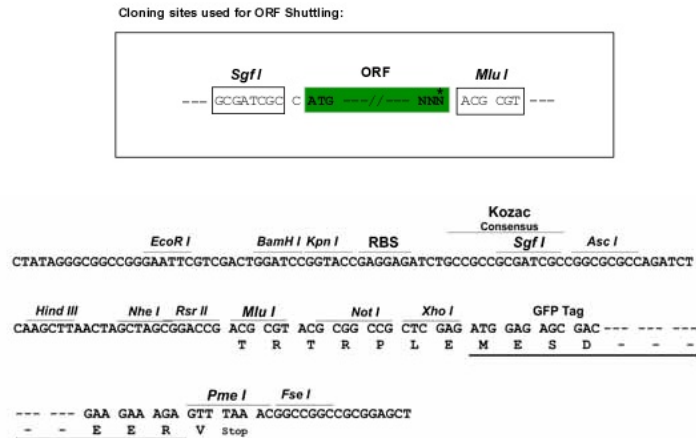
Protein Sequence: >RG216649 representing NM_001080478
 Red=Cloning site Green=Tags(s)

MDTMRLRFISAEALVSHQPVARQSLDSVAHNL YPLLFKASYLLEQAEVTRAVLGRWPLEEFRLGALLGP
 GADHPQDLRDRTCRACLEALVRGLADHVLQDRSRRRLRVADLTGIRDVQVQRCPCGRALGRWGRTQLLAR
 TCCELQAEPLAAGRPVEVLADLFVTEGNFEAVVQALRPAGPAPLRVHCPSPFRADSLSPSLLHVLRLAGP
 GALRKLEVHNVRLHAGHVQQLLAQVGFPRLASLTLPKAFDAPPTYASTPDGEDPLLASIARELSKMAQ
 LTEL SVAFSTLTGKIPTLLGPLQTPRLVLDLANCALNHTDMAFLADCAHAHLEVLDLSGHNLSVLYPST
 FFRLLSQASRTLRLITLLEECGIVDSHVGMILGLSPCHRLRLKFLGNPLSARALRRLFTALCELPRLC
 IEFPPVKDCYPEGAAYPQDELAMSKFNQKYDEIAEELRAVLLRADREDIQVSTPLFGSFDPIQETSNE
 LGAFLLQAFKTALENFSRALKQIE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001080478

ORF Size: 1542 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.

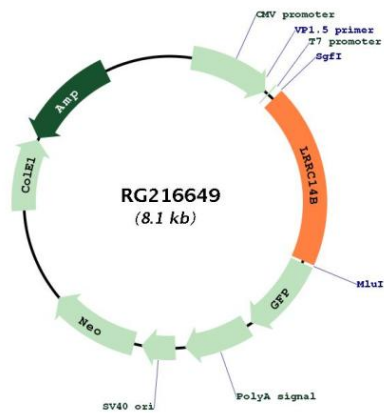
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001080478.3](#)

RefSeq Size: 1573 bp

RefSeq ORF:	1545 bp
Locus ID:	389257
UniProt ID:	<u>A6NHZ5</u>
Cytogenetics:	5p15.33
Gene Summary:	The protein encoded by this gene is a leucine-rich repeat containing protein that is a member of the PRAME family. [provided by RefSeq, Apr 2017]

Product images:



Circular map for RG216649