

Product datasheet for **RG234279**

LRRC14 (NM_001272036) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRRC14 (NM_001272036) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LRRC14
Synonyms:	LRRC14A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG234279 representing NM_001272036
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGCACACGCTTGTGTTCTTGAGCACACGGCAGGTGCTGCAGTGCCAGCCAGCTGCCTGCCAGGCCCTGC
 CCTTGCTGCCACGGAACCTCTCCCTGCTGTTCAAGGTGGCCTTCATGGACAAGAAGACAGTGGTACT
 GCGCGAGTTGGTACACAGTGGCCCTTCCGCTGCTCAGTTTCCAGCAGTGCTACAGGAGTGTGCCAC
 TGCAGCCGTGCCCTCCTGCAGGAGCGGCCTAGCACTGAGAGCATGCAGGCTGTTATCCTGGGGTGAAGT
 CCCGGCTCCACCTCAGAGCCTGGGGCCAGCACAGCCCTCTGCAGGAAGCATGCGCTGCGGGTGT
 GGACATGACGGGCTCTTGATGATGGTGTGGAACAGGATCTGGCACCATGAGCATGTGGGACTGTACT
 GCTGCCGTAGCTGCACATGCATTGCCAGCAGCAGGGTGGGGCCGAGAGCCTGGGCCAGCCCCATCC
 CCGTGGAGGTGCGCTGGACCTGCGGGTGAACCGGCCTCTATGCGTTCTGCGGGAGGCACTCCGAAG
 CAGCGTGGGCAGCCGCTGCGGCTCTGCTGCCGGGACCTGCGAGCTGAGGACCTGCCATGCGCAACACT
 GTGGCCCTGCTGCAGCTTCTGGATGCAGGCTGCCTGCGCCGCGTGGACCTGCGCTTCAACAATCTGGGCC
 TGCGCGGCTGTCTGTGATCATCCACACGTGGCCGCTTCCAGCACCTGGCCAGCTGCGGCTCCACTA
 TGTGATGGGGATTCAAGGCAGCCCTCCGTGGATGGCGAGGACAACTTCCGCTACTTCTTGCCAGATG
 GGCCGCTTACCTGTCTGCGTGAGCTCAGCATGGGCTCCTCTCTCTTTCAGGGAGGCTGGACCAGCTGC
 TCAGCACCTGCAGAGCCCCCTGGAGAGCTGGAGTTGGCCTTCTGTGCTCTGCTGCCTGAGGACCTACG
 CTTCTGGCACGGAGCCACATGCTGCCACCTCAAGAAGTTGGACCTGAGTGGTAACGACCTGTCTGGC
 AGCCAGCTGGCACCTTCCAGGGTCTGTTGCAGGCATCAGCAGCCACACTGTTGCATCTGGAGCTGACTG
 AGTGTGAGCTCGCAGACCCAGCTGTTGGCCACACTACCATCTGACTCAGTGCGCCAGTCTCCGGTA
 CTTGGCCTCTATGGCAACCCACTGTCCATGGCGGGCCTCAAGGAGCTGCTGCGGGACTCAGTGGCACAG
 GCTGAGCTGCGTACTGTGGTGCACCCCTTCCCTGTGGACTGCTATGAGGGCTTGCCTGGCCGCCGCTG
 CCTCTGCTGCTGGAGGCTCCATCAATGAGGAGAAGTTGCCGCGTAGAAGCTGAGTTGCACCAGCT
 GCTTCTAGCCTCAGGCCGTGCCATGTGCTCTGGACCACGACATCTACGGGCGACTGGCTGCGGACTAC
 TTCAGCCTA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG234279 representing NM_001272036
 Red=Cloning site Green=Tags(s)

MHTLVFLSTRQVLQCQPAACQALPLLPRELFPLLFKVAFMDKKTIVLRELVHTWPFPLLSFQQLQECAL
 CSRALLQERPSTESMQAVILGLTARLHTSEPGASTQPLCRKHALRVLDMTGLDDGVEQDPGTMSMWDCT
 AAVARTCIAQQQGAAEPGPAPIPVEVRVLDLRVNRASYAFLREALRSSVGSPLRLCCRDRAEDLPMRNT
 VALLQLLDAGCLRRVDLRFNNLGLRGLSVIIPHVARFQHLASRLHYVHGDSRQPSVDGEDNFRYFLAQ
 MGRFTCLRELSMGSSLLSGRLDQLLSTLQSPLESLELAFCALLPEDLRFLARSPHAAHLKKLDLSGNDL
 SGSQLAPFQGLLQASAATLLHLELTEQLADTQLLATLPILTQCASLRYLGLYGNPLSMAGLKELLRDSVAQ
 AELRTVVHPFPVDCYEGLPWPPASVLLSEINEEFARVEAELHQLLLASGRAHVLWTTDIYGRLAADY
 FSL

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001272036

ORF Size: 1479 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_001272036.2](#)

RefSeq Size: 5450 bp

RefSeq ORF: 1482 bp

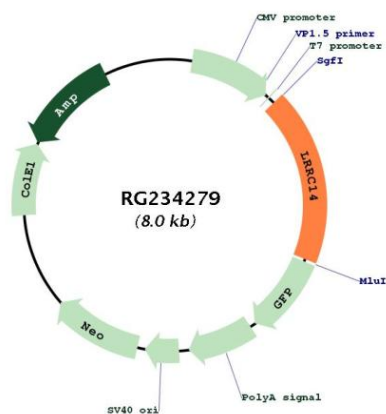
Locus ID: 9684

UniProt ID: [Q15048](#)

Cytogenetics: 8q24.3

Gene Summary:

This gene encodes a leucine-rich repeat-containing protein. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Dec 2012]

Product images:


Circular map for RG234279