

Product datasheet for **RG234679**

LRRC8E (NM_001268285) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRRC8E (NM_001268285) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LRRC8E
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RG234679 representing NM_001268285
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGTCTGCACCAAGTTCTGGTCAAGTCCCTGGCACCAGCTCCAAGATTGAACACTTCATCTCCATCC
 TGGGCAAGTGTTTCGACTCTCCATGGACCACCAGGGCCCTATCCGAGGTCTCCGGGAGAACAGAGGG
 CCCAGCAGCCACCGAACGGGCTGCGGCCACCATAGTGGCCATGGCAGGACCGGGCCGGGAAGGCAGG
 GAGGGTGAGAAGGAGAAAGTGCTGGCGGAACCGGAGAAGGTGGTGACCGAGCCTCCAGTTGTACCCCTGT
 TGGACAAGAAGGAGGGTGAGCAAGCCAAAGCCCTGTTTGAGAAGGTGAAGAAGTCCGCATGCACGTGGA
 AGAGGGGACATCCTGTACACCATGTACATCCGACAGACGGTGTGAAAGTGTGAAGTTCCTGGCCATC
 CTGGTCTACAACCTGGTCTATGTGGAGAAGATCAGTTTCTGGTGGCCTGTAGGGTGAGACGTGAGAGG
 TCACGGGCTACGCCAGCTTCTGTGCAACCACCAAGGCCACCTCTTCTCAAGCTGGCCTTCTGTTA
 CATCTCCTTTGTGTGCATCTACGACTTACCTGCATCTACACGCTCTACTGGCTCTTCCACCGGCCCTC
 AAGGAGTACTCCTTCCGTTCCGTGCGGGAGGAGACTGGCATGGGGGACATTCTGACGTCAAGAATGACT
 TCGCCTTCATGTGCACCTCATCGATCAGTACGACTCCCTCTACTCCAAGCGCTTCGCCGTCTTCTGTG
 CGAGGTGAGCGAAAGCCGTCTAAGCAGCTCAATCTCAACCACGAGTGGACGCCCCGAGAAGCTTCGACAG
 AAGCTGCAGCGCAATGCCGCGGGCCGGCTGGAGCTGGCCCTCTGCATGCTGCCGGGTCTGCCGACACCG
 TCTTTGAGCTCAGTGAGGTGGAGTCACTCAGGCTGGAGGCCATCTGCATATCACCTTCCCCCGGGGCT
 GTCACAGCTGGTGCATTCGAGGAGCTCAGCTTGTCTCACTCGCCGCCAGGCTACCTTCTCCTTGCA
 GTCTTCTGCGGGACCACTGAAGGTGATGCGCGTCAAATGCGAGGAGCTCCGCGAGGTGCCGCTTTGGG
 TGTTTGGGCTGCGGGGCTTGAGGAGCTGCACCTGGAGGGGCTTTCCCCCAGGAGCTAGCTCGGGCAGC
 CACCTTGAGAGCCTCCGGGAGCTGAAGCAGCTCAAGGTGTTGCTCCTCCGGAGCAACGCCGGAAGGTG
 CCAGCCAGTGTGACCGACGTTGCTGGCCACCTGCAGAGGCTCAGCCTGCACAACGATGGGGCCGCTGCG
 TTGCCCTGAACAGCCTCAAGAAGCTGGCGGCTTGCAGGAGCTGGAGCTGGTGGCTGCGGGCTGGAGCG
 CATCCCCATGCAGTGTTTCAGCCTGGGTGCGCTGCAGGAAGTACCTCAAGGACAACCACTGCGCTCC
 ATCGAGGAAATCCTCAGCTTCCAGCACTGCCGGAAGCTGGTACGCTCAGGCTGTGGCACAACAGATCG
 CCTACGTCCTGAGCACGTGCGGAAGCTCAGGAGCCTGGAGCAGCTCTACCTCAGCTACAACAAGCTGGA
 GACCTGCCCTCCAGCTCGGCCTGTGCTCAGGCCTCCGTCTGCTGGATGTGTCCACAATGGGCTACAC
 TCCCTGCCACCCGAGGTGGGCTCCTGCAGAACCTACAGCACCTGGCCCTCTCTACAATGCCCTGGAGG
 CCCTGCCCGAAGAGCTCTTCTTCTGCCGCAAGCTGCGGACGTTGCTTCTGGGCGACAACAGCTGAGCCA
 GCTCTCGCCCCAGTGGGTGCCCTCAGAGCCCTCAGCCGCTGGAGCTCAAAGGCAACCGCTTAGAGGCG
 CTGCCAGAAGAACTTGGCAACTGTGGGGGCTCAAGAAGGCGGGGCTCCTGGTGAAGACACGCTTTACC
 AGGGTCTGCCGCGAGAAGTGCGGACAAGATGGAGGAGGAA

ACGCGTACGCGGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG234679 representing NM_001268285
 Red=Cloning site Green=Tags(s)

MVCTSFWFKFPGTSSKIEHFISILGKCFDSPWTTTRALSEVSGENQKGAATERAAATIVAMAGTGPGKAG
 EGEKEKVLAEPEKVVTEPPVVTLLDKKEGEQAKALFEKVKKFRMHVEEGDILYTMIRQTVLKVKCKFLAI
 LVYNLVYVEKISFLVACRVETSEVTGYASFCCNHTKAHLFSKLAFICYISFVCIYGLTCIYTLYWLFHRPL
 KEYSFRSVREETGMGDIPDVKNDFAFMLHLIDQYDSLYSKRFAVFLSEVSESRLKQLNLNHEWTPEKLRQ
 KLQRNAAGRLELALCMLPGLPDTVFELSEVESLRLEAICDITFPPGLSQLVHLQELSLHSPARLPFSLQ
 VFLRDHLKVMRVKCEELREVPLWVFGRLGLEELHLEGLFPQELARAATLESLRELKQLKVLSLRSNAGKV
 PASVTDVAGHLQRLSLHNDGARLVALNSLKLAALRELELVACGLERIPHAVFSLGALQELDLKDNHLRS
 IEEILSFQHCRLVTLRLWHNQIAYVPEHYRKLRSLEQLYLSYNKLETLPQLGLCSGLRLLDVSHNGLH
 SLPPEVGLLQNLQHLALSYNALALPEELFFCRKLRTLLLGDNQLSQLSPHVGLRALSRLELKGNRLEA
 LPEELGNCGLKKAGLLVEDTLVQGLPAEVRDKMEEE

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001268285

ORF Size: 2001 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_001268285.3](#)

RefSeq Size: 3480 bp

RefSeq ORF: 2004 bp

Locus ID: 80131

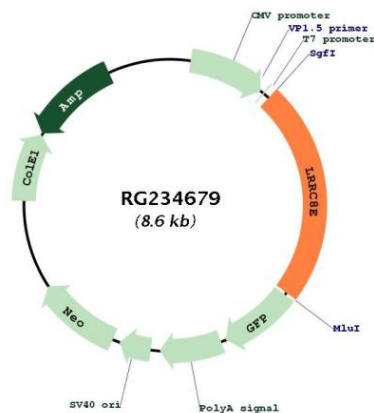
UniProt ID: [Q6NSJ5](#)

Cytogenetics: 19p13.2

Protein Families: Transmembrane

Gene Summary: This gene encodes a member of a small, conserved family of proteins with similar structure, including a string of extracellular leucine-rich repeats. A related protein was shown to be involved in B-cell development. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jun 2012]

Product images:



Circular map for RG234679