OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC229348

AU040320 (NM_001035526) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AU040320 (NM_001035526) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	AU040320
Synonyms:	A730047D20Rik; AAVR; Kiaa0319l
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC229348 representing NM_001035526 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGAGAAGAGACTGGGAGTCAAGCCAAGTCCCGCTTCCTGGGTTTTGCCAGGATATTGTTGGCAGACAT CAGTGAAGCTGCCGAGAAGCCTGTACCTGCTTTACAGTTTCTTCTGCTTCAGCGTTCTGTGGTTGTCAAC AGATGCTGATGAGAGCAGATGCCAACAGGGGAAGACACTTTATGGAGCTGGCTTGAGAACTGAGGGAGAA AATCACCTCCGGCTTCTTGCAGGAAGCCTGCCTTTCCACGCCTGTCGGGCTGCCTGCTGCCGGGACTCTG CCTGCCACGCTCTATGGTGGCTGGAAGGGATGTGCTTTCAGGCTGACTGCAGTAAGCCCCAGAGCTGCCA GCCTTTTAGGACAGACTCTTCCAATTCCATGCTGATCATTTTTCAAAAATCCCAAACTACAGATGATTTG GGCCTTCTGCCTGAAGATGATGAACCACATCTTCTGAGGCTAGGCTGGGGCAGGACATCGTGGAGGAGGC AGAGCCTTCTTGGGGCTCCCCTCACCCTTTCTGTACCCTCTAGTCACCACCAGAGCTTACTCAGGGATCG GCAGAAGAGAGATCTCAGTGTGGTACCTACACATGGAGCGATGCAGCATTCTAAAGTGAATCACTCGGAG GAAGCAGGTGCTCTGAGTCCCACCTCTGCAGAGGTCCGCAAAACCATTACAGTTGCCGGTTCCTTCACCA GTAACCACACTACACAGACTCCTGAGTGGCCCAAGAATGTGTCCATCCATCCTGAACCATCCGAGCACTC CAGTCCTGTATCTGGTACTCCGCAAGTAAAAAGCACTGAGCACAGTCCAACTGATGCCCCTCTGCCAGTG GCCCCCTCCTACAGCTATGCCACCCCCACGCCCCAGGCCTCTTCTCAGAGCACCTCAGCACCACACCCAG TTGTAAAGGAGCTGGTGGTGTCTGCTGGGAAGAGCGTCCAGATCACCCTGCCTAAGAATGAAGTTCAGTT AAATGCCTTCGTCCTTCCAGAAGCAGAGCCAGGAGAAACCTACACCTACGACTGGCAGCTGATCACTCAT CCTACAGACTACAGTGGAGAGGTGGAGAGGAAACATTCCCAGAGCCTCCAACTGTCCAAGCTGACTCCAG GCCTGTACGAATTCAAGGTGACTGTGGATGGCCAGAATGCCCATGGGGAAGGCTACGTGAATGTGACAGT GAAACCAGAGCCCCGTAAGAACCGGCCTCCCGTTGCTGTGGTGTCACCTCAGTTCCAGGAGATCTCGCTG CCAACCACTTCTACCATCATTGATGGCAGCCAGAGCACGGATGACGATAAAATTGTCCAGTACCACTGGG AAGAGCTTAAGGGGCCCCTGAGAGAAGAGAAGATCTCTGAAGACACAGCCATACTAAAACTTAGTAAGCT CGTCCCGGGGAACTACACCTTCAGCTTAACTGTTGTCGACTCTGACGGGGCTACCAACTCCACCACTGCA AGCCTGACTGTGAACAAAGCTGTGGACTACCCTCCCGTGGCCAATGCAGGCCCCAACCAAGTGATCACCC

View online »

TGCCTCAGAACTCCATCACCCTCTTTGGAAACCAGAGCACGGATGACCACGGCATCACCAGCTATGAGTG
GTCGCTCAGCCCGAGCAGCAAAGGGAAGGTGGTGGAGATGCAGGGAGTTAGAACGCCAGCCCTGCAGCTG
TCCGCAATGCAAGAAGGAGACTATACCTACCAGCTCACAGTGACTGACACCGCAGGACAACAGGCCACCG
CCCAAGTGACTGTGATTGTGCAGCCTGAGAACAACAAGCCTCCTCAGGCAGATGCAGGCCCAGACAAAGA
GCTGACCCTGCCCGTGGACAGCACAACCCTGGACGGCAGCAAGAGCACAGATGACCAGAGAGTCGTCTCT
TACCTTTGGGAGCAGAGTCGGGGACCTGACGGGGTGCAGCTGGAGAATGCCAACAGCAGTGTCGCCACTG
TGACTGGGCTGCAAGTCGGGACTTATGTATTCACCTTGACTGTCAAAGATGAGAGGAACCTACAGAGCCA
GAGCTCCGTTAATGTCATTGTCAAAGAAGAAATAAACAAACCGCCAGTAGCCAAGATCGCTGGGAACGTG
GTGGTGACCTTGCCCACGAGCACAGCTGAGCTGGATGGCTCGAGGTCCTCAGATGACAAGGGGATAGTCA
GCTACCTGTGGACTCGAGATGAGACGAGCCCAGCCGCAGGGGAGGTGCTGAATCACTCTGACCACCACCC
TGTCCTCTTCCTCTCCAACCTGGTGGAGGGGACCTACACGTTTCACCTGAAAGTGACAGATGCAAAGGGC
GAGAGCGACACAGACCGGACGACAGTGGAAGTGAAGCCTGACCCCAGGAAAAGCAACCTAGTGGAGATCA
TCTTGGATGTGAACGTCAGTCAGCTGACTGAGAGGCTGAAGGGGATGCTCATCCGCCAGATTGGGGTCCT
CCTGGGGGTGCTGGATTCCGACATCATTGTGCAAAAGATTCAGCCGTACACGGAGCAGAGCACCAAGATG
TTGTTTTTTGTTCAGAACGACCCTCCCCACCAGCTCTTCAAAGGCCATGAGGTGGCAGCCATGCTCAAGA
GCGAGCTGCAGAAGCAGAAGGCTGACTTCCTCATCTTCAGAGCCCTGGAAATCAGCACAGTCACATGTCA
GCTGAACTGTTCTGACCATGGCCACTGTGACTCATTCACCAAGCGCTGTGTCTGTGACCCGTTTTGGATG
GAGAATTTCATCAAGGTGCAGCTGAGGGATGGAGACAGCAACTGTGAATGGAGCGTGCTCTACGTCATCA
TTGCCTCCTTTGTCATTGTTGTTGCCTTGGGGATCCTGTCATGGACTACAATCTGCTGCTGCAAGAGGCA
AAAAGGAAAACCCAAGAGGAAAAGCAGATACAAGATCCTGGATGCCACAGATCAGGAGAGCCTGGAGCTG
AAACCAACCTCCCGAGCAGGCAGCAAACAGAAAGGCCCCACGCTGAGCAGCAGCCTGATGCATTCTGAAT
CGGAGCTGGACAGCGACGATGCCATCTTCACATGGCCAGACCGGGAGAAGGGCAAACTACTGGCCCTCCA
CTGGTGTAGATCCCAAAGCCTGCAGCATATTGGCTGGTGGTGTAGGGCCCCAGTCTGCCATGAAACCTCA
TCTACCAACAGCACACCTGGCTCTGACTCCGGCTTCTGTAAAGGCGGGAAGAACCTCAGCTCAGACTACA
GAACCAGGACGAAGTCAGCTTTGGTCCATGGGAAATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001035526

Insert Size: 3258 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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_001035526.1, NP_001030603.1
RefSeq Size:	3815 bp
RefSeq ORF:	3258 bp
Locus ID:	100317
UniProt ID:	Q8K135
Cytogenetics:	4 D2.2
Gene Summary:	Possible role in axon guidance through interaction with RTN4R.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) differs in the 5' UTR, compared to variant 2. Both variants 1 and 2 encode the same isoform.