

Product datasheet for MR231559

AU040320 (NM_001035526) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: AU040320 (NM_001035526) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: AU040320
Synonyms: A730047D20Rik; AAVR; Kiaa0319l
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR231559 representing NM_001035526
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGAAGAGACTGGGAGTCAAGCCAAGTCCCCTTCTGGGTTTTGCCAGGATATTGTTGGCAGACAT
 CAGTGAAGCTGCCGAGAAGCCTGTACCTGCTTTACAGTTTCTTCTGCTTCAGCGTTCTGTGGTTGTCAAC
 AGATGCTGATGAGAGCAGATGCCAACAGGGGAAGACACTTTATGGAGCTGGCTTGAGAACTGAGGGAGAA
 AATCACCTCCGGCTTCTGCAGGAAGCCTGCCTTTCCACGCTGTCGGGCTGCCTGCTGCCGGGACTCTG
 CCTGCCACGCTCTATGGTGGCTGGAAGGATGTGCTTTCCAGGCTGACTGCAGTAAGCCCCAGAGCTGCCA
 GCCTTTTAGGACAGACTCTTCCAATCCATGCTGATCATTTTTCAAAAATCCCAAACACAGATGATTTG
 GGCTTCTGCCTGAAGATGATGAACCACATCTTCTGAGGCTAGGCTGGGGCAGGACATCGTGAGGAGGC
 AGAGCCTTCTTGGGGCTCCCCTCACCTTTCTGTACCCTTAGTCACCACCAGAGCTTACTCAGGGATCG
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 GTAACCACACTACACAGACTCCTGAGTGGCCCAAGAATGTGTCCATCCATCCTGAACCATCCGAGCACTC
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AGCCTGACTGTGAACAAAGCTGTGGACTACCCTCCCGTGGCCAATGCAGGCCCAACCAAGTGATCACCC
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GAACCAGGACGAAGTCAGCTTTGGTCCATGGGAAA
    
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR231559 representing NM_001035526
Red=Cloning site Green=Tags(s)

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MEKRLGVKPSPASWVLPGYCWQTSVKLPRSLYLLYSFFCFSVLWLSTDAESRCQQGKTLYGALRTEGE
NHLRLLAGSLPFHACRAACCRDSACHALWWLEGMCFQADCSKPQSCQPFRTDSSNSMLIIFQKSQTTDDL
GLLPEDDEPHLLRLGWGRTSWRRQSLGAPLTLVPSHHQSLLRDRQKRDLSVVPHTGAMQHSHKVNHS
EAGALSPTSAEVRKTIIVAGSFTSNHTTQTPWPKNVSIHPEPSEHSSPVSQTPQVKSTEHSPDAPLPV
APSYSYATPTPQASSQSTSAPHPVVKELVVSAGKSVQITLTPKNEVQLNAFVLPFAEPGETYTYDQWLITH
PTDYSGEVERKHSQSLQLSKLTPGLYEFKVTVDGQNAHGEYVNVTVKPEPRKNRPPVAVVSPQFQEI SL
PTTSTIIDGSQSTDDDKIVQYHWEELKGPLREEKISEDTAILKLSKLVPGNYTFSLTVVSDGATNSTTA
SLTVNKAVDYPPVANAGPNQVITLQPNSITLFGNQSTDDHGITSYEWLSPPSSKGVVEMQGVRTPALQL
SAMQEGDYTYQLTVTDTAGQQAATAQVTVIVQPENKPPQADAGPKELTLPVDSTLTDGSKSTDDQRVVS
YLWEQSRGPDGVQLENANSSVATVTGLQVGTYYVFTLVKDERNLQSQSSVNVIVKEEINKPPVAKIAGNV
VVTLPSTAELDGRSSDDKGIIVSYLWTRDETSPAAGEVLNHSDDHHPVFLSNLVEGTYTFHLKVTDAKG
ESDTRDTTVEVKPDRKSNLVEIILDVNVSQLTERLKGMLIRQIGVLLGVLDSDIIVQKIQPYTEQSTKM
LFFVQNDPPHQLFKGHEVAAMLKSELQKQKADFLIFRALEISTVTCQLNCSDHGHCDSFTRKRCVCDPFWM
ENFIKVLRLDGDNSCEWSLYVIIASFVIVVALGILSWTTICCCKRQKQKPKRKSRYKILDATDQESLEL
KPTSRAGSKQKGPRTLSSSLMHSESELDSDDAIFTWPDREKGLLALHWCRSQSLQHIGWCRAPVCHETS
STNSTPGSDSGFCKGGKNLSSDYRTRTKSALVHGK
    
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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001035526

ORF Size: 3255 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_001035526.1](#), [NP_001030603.1](#)

RefSeq Size: 3815 bp

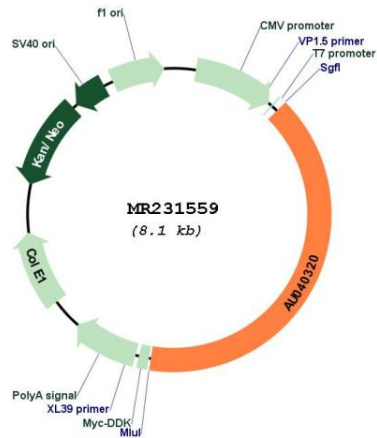
RefSeq ORF: 3258 bp

Locus ID: 100317

UniProt ID: [Q8K135](#)

Cytogenetics: 4 D2.2
MW: 119.4 kDa
Gene Summary: Possible role in axon guidance through interaction with RTN4R.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR231559