

## Product datasheet for MR203299

### 2210016L21Rik (BC031162) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	2210016L21Rik (BC031162) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	2210016L21Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203299 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGATCGCC

ATGGTGGCGCCCAGCGGTGCAATGAGCGATTCCGAGAACAGCAGCAGTAGCAGCAGCGATGCGGAGGAAT  
TGGCACGCTGTCGCGAGGCGGCTACGCCCGCTGGGGCTGGAGCAGCGCCCGGGGCAGCGGAGAGACC  
CGAAGCCGGTGTGCAGATAAACAAGCACCCGACCCCGCAGCCAAGCCGCAGGCATGAGGTGAACCAGCAC  
GAGGAAGATGGCAACGACCTTCGGACCACTCCTGAGTCCGAGCCACGTGGCCAAGAACTGGGAGCCC  
TGCTGGACAGCTCCATTGCCATCGCAGAAGTTTGAAGAAGTCGAAAAGGCAAAGATGCAGCAGGTGGC  
AAAGGAGGAGGATGGCTTCCGCCTTTTCTCACATCCATCCCGGAGGCCATAAGAAGGAAGCCTCTCCA  
AGACCCTGCCGGAAGCGCCAGCCCCCAGCTCCAGTGAGGACAGCGATGAGGAACTGCAGCGGTGCCGGG  
AGGCAGCTGTGTCGGCTTCAGACATTCTCCAGGAGTCAGCCATACACTGCCCTGCCAAGGCAGAGGAGAA  
GAAGAAGTTGAAAAGAAAGCCAAGAAGAAGGTGGACAATGCTGACCTGGCTGCAGCCCCAGGTCTGGAA  
CAGGTAAGGAGGCAGGCGTTGTCAATGGGACCCGGTGTGCTTGGGATCCAAAAGAAGAAAAGAAGA  
AGGCCAAGAAATCCAGAGAGGCTCCCCTGTGCCACCAGCAGAGTGTGCAGCGCGAAGCCTGAGAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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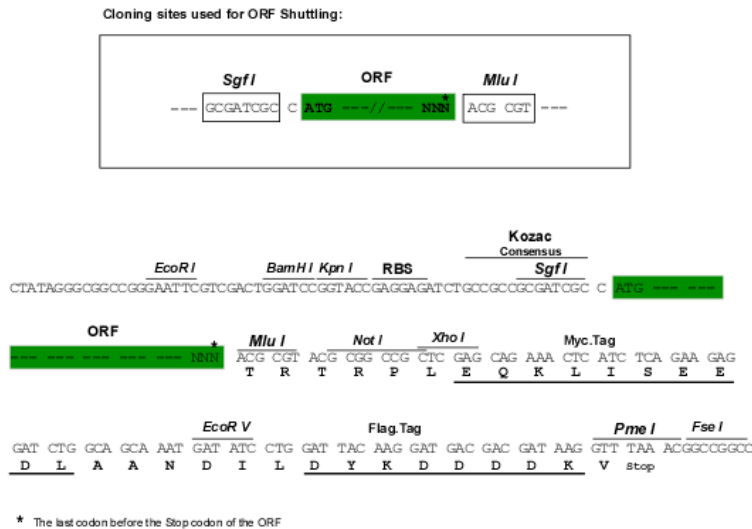
**Protein Sequence:** >MR203299 protein sequence  
 Red=Cloning site Green=Tags(s)

MVAPSGAMSDSENSSSSSDAEELARCREAATPAWGLEQRPGAERPEAGAADKQAPTPQPSRRHEVNQH  
 EEDGNDLRTTPEFRAHVAKKLGALLDSSIAIAEVWKSQKAKMQQVAKEDGFRLFFTSIPGGHKKEASP  
 RPCRKRPSPSSSEDSDEELQRCREAAVSASDILQESAIHCPAKAEKKLKKKAKKKVDNADLAAAPGLE  
 QVKEAGVNGDPVSLGIQKKKKKAKKSREAPLCPAEECAAAPEN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** BC031162

**ORF Size:** 768 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:** [BC031162](#), [AAH31162](#)

**RefSeq Size:** 1350 bp

**RefSeq ORF:** 770 bp

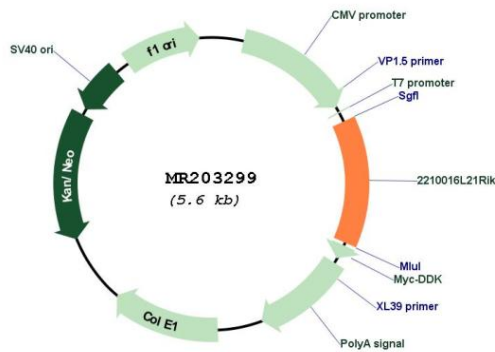
**Locus ID:** 72357

**Cytogenetics:** 5 F

**MW:** 27.6 kDa

**Gene Summary:** Plays a role in the regulation of Wnt signaling pathway during early development. [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR203299