

## Product datasheet for **MR214668**

### 4932411N23Rik (NM\_177705) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	4932411N23Rik (NM_177705) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	4932411N23Rik
Synonyms:	RP23-267A6.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR214668 representing NM\_177705  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAGCTCTGTCTTACTTAGTGAGGACTCAGACAGGAACCTCATGCTTTGCCTTCAGAATGAAGCTAATG  
 AAATGGAAAATCCTACTGAACCTCTGAATAAGAGGCCCTGTTTGTCTCTGAAGTTGATTCTACTTCGTA  
 TATGTCAGCTCTTGAATCCCACTACAAGAAATGGAGCAAAGTTTTGGTTTGGTCAACAACACAGCCACA  
 GAGGTGGCTGAGGAAGAGTTTGGTGGGAAAATATGATGCAATTCGAGGTTTTAAAAGTGACAAACAAT  
 ATGAAGTTTTCCCTTGCCTAACAAGGAAGAGTCAGTAGTTAGCCAAGCATGGTTCACAAGTAAGGAAGC  
 TAAGGATGCTCTAACTCATCAAGGACAGAAATGGAAGCAGGGGATGTGGTCCAAGGAAGAAACAGCTATT  
 CTGATGAACAACATTGAAAGGTATATGAAGGACCATGGAGTAGAGAATCCTGCAGAAATCATTTTTAAGA  
 TGGCAAAAGTAAAAGAAAAGATTTCTACAGGTCTGTATCATTGGGTCTGAATAGACCTTTGTTTTCACT  
 TTATAGAAGAGTGGTCCGAATGTATGATGACAGAAACCATGTGGGTAAGTACAGCCCTGAGGAAATAGAG  
 AAGCTCAAGGAGCTCTGGCAGAAGCATGGCAATGACTGGATAACAATAGGGGCCGCCATGGGAAGAAGTC  
 CATCTTCGGTCAAGACCGGTGCCGACTGATGAAGGATACTTGCAACACGGGGAAATGGACCGAAGAAGA  
 AGAACAGCTTCTTGGCGATGTGGTTCATGAATTGACATGCACTGAGGTGGATGAGAAAAGTTACCCATGGT  
 GTGTGTTGGGCAACAGTGGCTCAACGAGTGGTACTCGCTCAGCAAAGCAGTGTCTGCTAAATGGCTCA  
 ACTACTTGAACGGAAACAGACTGGTGGTATTGAGTGGACAAGGAAAGATGAAGTCACTCTCATCCAAAG  
 GCTAGTAGAGCTTGATGTATCCGATGAAAGTGAATTCGCTGGGATGAATTAGCTAAAGGATGGGAAAGT  
 GTTCGTTCCACCAATGGCTGCGAAATAAATGGTGGATCATCAAAGGCAAATACAAATCATAAAGATT  
 TTGCATTCCAGTCTAGTAAGATGCTTCAACAAGAATATGAAAGCCAAATGCCAGCCTCAGGTTTTG  
 GGAGAATAAATCAGGATCTGAAGTACCAGATAGCAACCCTGATATCATTTTTTCAACAAGTCCCTTTGGA  
 GTCACAAGTATAGAAAATAATAATGCATCCATCTGTACTGACCCCATGACAGGATTGCAAAATTTTCATTCC  
 AGCTCATCCCCAGACCCACAACAGAATTACCTGATGCTGTTGTTGACTCTGAAACCATAACCCTGCCAC  
 TGGACCACAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR214668 representing NM\_177705  
 Red=Cloning site Green=Tags(s)

MSSVLLSESDRNLMLCLQNEANEMENPTEPLNKRPLSSEVDSTSYMSALEFPLQEMEQSFLVTTTAT  
 EVAEEEFGGENMMQFEVLKDDKQYEVFPLPNKEESVVSQAWFTSKEAKDALTHQGQKWKQGMWSKEETAI  
 LMNNIERYMKDHGVENPAEIIIFKMAKGRKDFYRSVSLGNRPLFSVYRRVVRMYDRNHVGYSPREEIE  
 KLKELWQKHGNDWITIGAAMGRSPSSVKDRCLMKDTCNTGKWTEEEQLLGDVVHELCTEVDEKVTHG  
 VCVATVAQRVGTSAKQCRKWLNYLNWKQTGGIEWTRKDEVTLIQRVVELDVSDESEIRWDELAKGWES  
 VRSPQWLRNKWWIIKRQITNKHDFAFPVLVRCLQQEYESQNASLRFWENKSGSEVPDSDNPDIIFQQVDFG  
 VTSIENNNASICTDPMGLQISFQLIPRPTTELPDAVVDESETITLPTGPQ

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9082\\_c02.zip](https://cdn.origene.com/chromatograms/mm9082_c02.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_177705

**ORF Size:** 1410 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\\_177705.3](#), [NP\\_808373.1](#)
**RefSeq Size:** 3634 bp

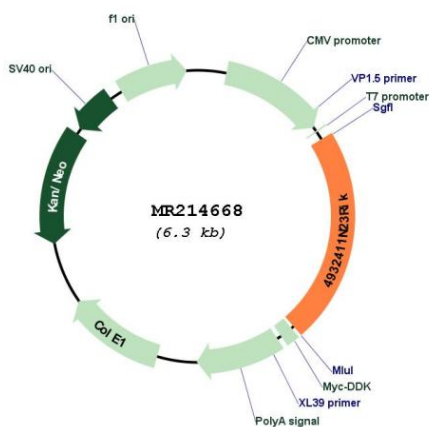
**RefSeq ORF:** 1413 bp

**Locus ID:** 237029

**Cytogenetics:** X E3

**MW:** 54.2 kDa

Product images:



Circular map for MR214668