

## Product datasheet for MR202811

### 1700007G11Rik (NM\_001024614) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	1700007G11Rik (NM_001024614) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	1700007G11Rik
Synonyms:	4930428O21Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202811 representing NM_001024614 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATCAGGACGAGGGGCTGACGGCCGTGGACAACATTGTCACACAGTTCAACACCTATGAAGACTTCC  
TGGACTCTCAGATCACTACGGTCGACCTGTACTACCTGGAGGATGAAAGCCTGGCTCGCCAGTTGGTGGG  
GCTAGGCTACCGAGGGACAGGAGAAATCGTGAAAAGGGAAGATTCGAAGCGAGAAAGGCAGCTATCAAT  
ATTGCAAGACAGGCTGAAAGAACGCAGAAAAGACACTGACAAGCGCGGGGAAGGAGCTGCATGATGATT  
TCCTGAAAGCCCTGGCGATGAGGGAAGAGATAATCGTGCTGGGAACTGAGCACAGTGATCTTCATTCCG  
GGACAGAAATCCTCATGGGCAGGAAGTGTCAAGATATATTGATTATGCTCACAGACTAAAATCTGAAGAT  
TTTGAAGTCTACTTTAATGGGAAAAGAAGACTTCTTCCAAGGACCACAGACATGAGCTTTTACAAGTGGG  
ACAGCCATATTGCTGTTTCAATTCAAGTCCAATTATCAAGTGATTGCTGACAACCCTGAAGGCTTACT  
TTTTAAATATAAGAGGGACAGAAAAATTCTCAATGTGGACCCAAAGGCTCATCCAGGTGACAACCTCACC  
AGGATCCCATCCAGACGGATCTCTACGCACATGTGGTTCTCTTTGACCACGTCTCCAGAAGGAAGACT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR202811 representing NM\_001024614  
Red=Cloning site Green=Tags(s)

MDQDEGLTAVDNIVTQFNTYEDFLDSQITTVLDLYLEDESLARQLVELGYRGTGEIVKREDFEARKAAIN  
 IARQAERTQKKTLTSAGKELHDDFLKALAMREEDNRAGKLVSTVIFIRDRNPHGQEVSGYIDYAHRLKSED  
 FEVYFNGKRRLLPRTTDMSFYNWDSHIAVCNSSPNYQVIADNPEGLLFKYKRDRKILNVDPKAHPGDNST  
 RIPIQTDLYAHVVLFDHVSRRKT

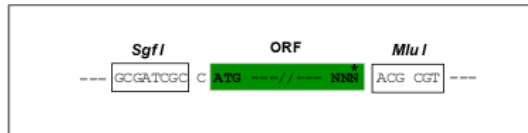
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9061\\_h12.zip](https://cdn.origene.com/chromatograms/mm9061_h12.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



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

**ACCN:** NM\_001024614

**ORF Size:** 699 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\\_001024614.1](#), [NP\\_001019785.1](#)

**RefSeq Size:** 891 bp

**RefSeq ORF:** 702 bp

**Locus ID:** 75784

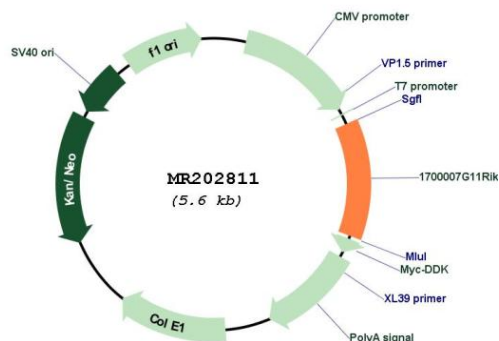
**UniProt ID:** [Q810M1](#)

**Cytogenetics:** 5 E3

**MW:** 26.9 kDa

**Gene Summary:** May be involved in spermatogenesis.[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for MR202811