

## Product datasheet for MR212319

### Gm11487 (NM\_001013393) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Gm11487 (NM\_001013393) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Gm11487  
**Synonyms:** OTTMUSG00000001246  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR212319 representing NM\_001013393  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCAGAGAGAAGATAACCGAGTCCAAAGTGTGAGAAATGACAAAGAAGCCAATAGGAGGAGGAGGCTGA  
 GGCAAGAAGGCCAAAGTTCCTCAGGTCCGTGTGATAGCCCTTGGACTGAGGATGAAATCTGGATCTTGCT  
 GCAAGAGTGGGCAATGCTTGAATATGAACTCGGAGACCCAGGCAATAAGATGCATGCCAAGGCCAAGTCC  
 CTTAGCAGACGCCTCTAATCGGGTCTGAGGAAGAGCAAGAATAGCTGCCTTGATGTGATGGTGAAGA  
 TGAAGGACCTGCACACAGTCTTTGTAACGAGAGGCCCGGGCTTACCGCTTGTATTCGACTTATGATTG  
 GATCCTGTACGAGATCTTGGGCCACCCAGATCCAGGGAGGCTATGTGCCAGGTCTTGGTTTGTGAGGG  
 CACGGTAACCCCCAGCTTCTATGCACATTCCCTCTGCATTGGTGGTGCCATCTCTCCAGGCCCTTCTT  
 TTAGCCCATGGACCGACCTGAAATTAAGATCTTCTGCAGGAGTGGCAAGTGGTTGAACGGGAATTTGG  
 CCACCCAGGCCAGAAGATCAAGCAGAAGAGCAGTCTTGTGGCAGCGTCTCTATCATCGAGGCCTGTT  
 AAGGACATCCAAAGCTGTTTGGACCTGATGTGGACCCTGAAGGATCTTCACTCCACTCTTAGTAGGGAGA  
 GATCAAGGACTGTACCCTGTTTTCTCCTTATAGAGATTATCTGGAAAGGATCTTCGATCCCAAATGTCA  
 GAGAGTCCATGTTCCAGGTGCTGTATAATTGGTCTGGTTACCACAGGCCTTCTCAAGCTCTCGAACT  
 CCAATGGTGATGCCATCTCCAGTATACCAGCCTTGGGATTATGGCATGTCTGGATCTTGGACAGCTTC  
 CTTGGAACCCATCTCTGATCATGTCCAGTCAGGACTCACTGGTTCCAGATGGGATGCCTGGAATGCAAC  
 CTATCCATTGCCAGTTCAACATGTACTTCCAGCCTCTCTCCCTGGAGACAACAACCTTTCAGCTGCCGTTG  
 TCTTCTCGTGAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR212319 representing NM\_001013393  
Red=Cloning site Green=Tags(s)

MQREDNRVQSVRNDKEANRRRRLRQEGQSSSGPCDSPWTEDEIWILLQEAMLEVELGDPGNKMHAKAKS  
 LSRRLSNRGLRKSKNSCLDVMVKMKDLHTRL CNERPRAYRLYSTYDWILYEILGHPRSQGGYVPGPWFDG  
 HGNPPASYAHS LCIGGAI SPGPSF SPWTDPEIKIFLQEQQVVEREF GHPGQKIKQKSSLVCQRL YHRGLF  
 KDIQSCLDLMWTLKDLHSTLSRERSRTVPLFSPYRDYLERIFDPKCQRVHVP GALYNWSGYHRPSSSSRT  
 PMVMPSPVYQPWDYGMSSGSQLPWNPSLIMSSQDSLVP RWD A W N A T Y P L P V Q H V L P A S L P G D N N F Q L P L  
 SSRD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9072\\_d03.zip](https://cdn.origene.com/chromatograms/mm9072_d03.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



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

**ACCN:** NM\_001013393

**ORF Size:** 1062 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\\_001013393.1](#), [NP\\_001013411.1](#)

**RefSeq Size:** 1323 bp

**RefSeq ORF:** 1065 bp

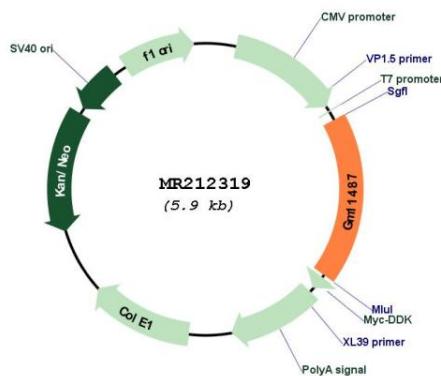
**Locus ID:** 433719

**Cytogenetics:** 4

**MW:** 40.8 kDa

**Gene Summary:** This gene belongs to a family of related genes tandemly arranged in two clusters on chromosome 4. This family, which appears to be mouse-specific and composed of multiple highly similar members, is supported by limited transcript data. Members of the family maintain an intact open reading frame although the encoded protein has no known function. This gene is inferred from alignment of paralogous transcripts. [provided by RefSeq, Apr 2013]

## Product images:



Circular map for MR212319