

Product datasheet for **MG212319**

Gm11487 (NM_001013393) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gm11487 (NM_001013393) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Gm11487
Synonyms: OTTMUSG00000001246
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG212319 representing NM_001013393
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCAGAGAGAAGATAACCGAGTCCAAAGTGTGAGAAATGACAAAGAAGCCAATAGGAGGAGGAGGCTGA
GGCAAGAAGGCCAAAGTTCCTCAGGTCCGTGTGATAGCCCTTGGACTGAGGATGAAATCTGGATCTTGCT
GCAAGAGTGGGCAATGCTTGAATATGAACTCGGAGACCCAGGCAATAAGATGCATGCCAAGGCCAAGTCC
CTTAGCAGACGCCTCTAATCGGGTCTGAGGAAGAGCAAGAATAGCTGCCTTGATGTGATGGTGAAGA
TGAAGGACCTGCACACAGTCTTTGTAACGAGAGGCCCGGGCTTACCGCTTGATTCGACTTATGATTG
GATCCTGTACGAGATCTTGGGCCACCCAGATCCAGGGAGGCTATGTGCCAGGTCTTGGTTTGTGAGGG
CACGGTAACCCCCAGCTTCCTATGCACATTCCCTCTGCATTGGTGGTGCATCTCTCCAGGCCCTTCTT
TTAGCCCATGGACCGACCTGAAATTAAGATCTTCTGCAGGAGTGGCAAGTGGTTGAACGGGAATTTGG
CCACCCAGGCCAGAAGATCAAGCAGAAGAGCAGTCTTGTGGCAGCGTCTCTATCATCGAGGCCTGTTT
AAGGACATCCAAAGCTGTTTGGACCTGATGTGGACCTGAAGGATCTTCACTCCACTCTTAGTAGGGAGA
GAGAGTCCATGTTCCAGGTGCTGTATAATTGGTCTGGTTACCACAGGCCTTCTCAAGCTCTCGAACT
CCAATGGTGTGCCATCTCCAGTATACCCAGCCTTGGGATTATGGCATGTCTGGATCTTCTGGACAGCTTC
CTTGGAAACCCATCTCTGATCATGTCCAGTCAGGACTCACTGGTTCCAGATGGGATGCCTGGAATGCAAC
CTATCCATTGCCAGTTCAACATGTACTTCCAGCCTCTCTCCCTGGAGACAACAACCTTTCAGCTGCCGTTG
TCTTCTCGTGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG212319 representing NM_001013393
Red=Cloning site Green=Tags(s)

MQREDNRVQSVRNDKEANRRRRLRQEGQSSSGPCDSPWTEDEIWILLQEWAMLEVELGDPGNKMHAKAKS
 LSRRLSNRGLRKSNSCLDVMVKMKDLHTRL CNERPRAYRLYSTYDWILYEILGHPPRSQGGYVPGPWFDG
 HGNPPASYAHS LCIGGAI SPGPSF SPWTDPEIKIFLQEWQVVEREF GHPGQKIKQKSSLVCQRLYHRGLF
 KDIQSCLDLMWTLKDLHSTLSRERSRTVPLFSPYRDYLERIFDPKCQRVHVPGALYNWSGYHRPSSSRT
 PMVMPSPVYQPWDYGMSSGQLPWNPSLIMSSQDSLVPWRDawnATYPLPVQHVLPASLPGDNNFQLPL
 SSRD

TRTRPLE - GFP Tag - V

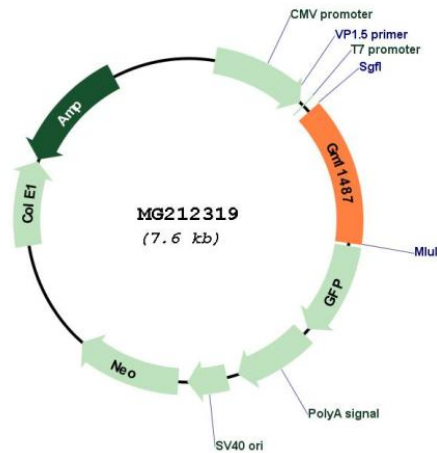
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



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:	<ol style="list-style-type: none">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
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]