

Product datasheet for **MR212567**

Gm13057 (NM_001113735) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gm13057 (NM_001113735) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gm13057
Synonyms:	OTTMUSG00000010207
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR212567 representing NM_001113735
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCGGATTTCTGATCAGGTCTATTCATTGTACAGATTTCATCAGGATGAGCTTCCAGGCTCCACCCACAC
 TCCTGAGCTTGGCAGTACAGAGCCTGGCGAAGAATGAAGCCTTGCCATCAATGCCTGCAGGAAGTCC
 CAGGGAGTTGTTCCCACTCTTCAAGGCAGCCTTCACTGGCAGACACCGAAGATACTGAAGGAAATG
 GTGGGAGCTGGCCTTTACCTTGCCTCCCTGTGGGGGCACTGATGAACGTCCTGACATGACAATATTGC
 AAGCTGTGCTGGATGGTGTAGACATGCAGCTGACAGGAAATTTTACCCAAGAAAGAGGAAGCTTCAAGT
 GCTGGACCTGAGAAATGTCACCATCACTTCTGGGATGTTTCAGCTGGACCAGAGGATGGAGACGGCTCA
 GCAGAGACAGTGTGTCAAAGCAGAAAGCAACACGCCCTCATAGTTATGCACTGAGGCGACGTTTAAAGG
 TGGTCACTGACCTTTCCTTCACTTTCAGTTTATGCTAGAGGAACATCAAACCTTACTTCTGCACTGGC
 GAGAAAGAGTTCCCTGAACCTGTGCTGTGTGAAGATGCAAATTAGGGAATTGCCTTTCACACTGTCAGG
 AAGATCTTGCAGATTTTCCAACCATATTGCATTGAGGAGTTGGAATTGCATATAGACTGGACTCTGTCCA
 CACTGGCAAGCTTTCACCTTGCCTTGGTCAGATCAAGAATCTTCGTAACCTCCATCTAACACTAGTCCA
 CGAAACTCTTCACTTTTCTATGTACATCAACAGACATAAAGGAGAAGAGTGTACCAAGTTTCACTTCT
 CAGTTCTCAAACCTCAACAGTCTCCAGCATCTCGACCTGGCTGGCTCTACTTTCTCACTGGCCACATGA
 ATGAATTGCTCGTGTGTGAAGACTCCGCTGGAGTTCCTGTCAATTGCTCTCTGCAAGTACTCACAGTC
 AGACATGGAGTCTTTGCCAGTGTGAGTCTCCATCATCTCAAACATCTGCATTTGGCAGGTGTCATT
 TTGCATGATCTGAGTCTTGTGCCTCTCGGAATTTTCTAGAAAATGTTGCAAACTCTGAAGACCTTGG
 AATTAGAACATTTGAGGATGACAGACTTCAGGTCAGCGCTTTTATCCCTGCCCTGAATAAGTGCCTCA
 GCTCATCGAGGTCAACTTCTGTGACAATGACATCTCCATGCCTGTCTAACGAACCTTCTGCATCACACA
 GCCAACCTAAGCCAGCTGATCATGGAGCTTTATCCTGCTCCTCTGGAGTGTATGAAACCGTTTTGTTC
 TTAGACCAGAGAATTGTCCAGCTTTCTTCTGAGCTCATGAACATACTTTGCACTGTTAGGCAGCCCCA
 CTCTATCTGTTTTGCCTCTCAGTTATGCCTTATATGTTACAGCGCTGTACATATGGTCTGGAGACCAGA
 CTTTGCCATTGTTGCCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR212567 representing NM_001113735
 Red=Cloning site Green=Tags(s)

MRISDQVYSLYRFIRMSFQAPPTLLSLAVQSLAKNEALAINALQELPRELFPPLFKAFTGRHTKILKEM
 VGAWPLPCLPVGALMNVPMITLQAVLDGVDMQLTGNFHPKRKRLQVLDLRNVHHHFWVDSAGPEDGDGS
 AETVCQKQKATRPHSYALRRRLKVVTDLCLQFDLEEHQTYFLQWAQERRGSLNLCCVKMQIRELPLHTVR
 KILQIFQPYCIEELELHIDWTLSTLASFAPCLGQIKNLRKHLTLVHEKLFSTDIKEKSVTKFIS
 QFSKLNLSQHLDLAGLYFLTGHMNEELLVCLKTPEFLSIALCKYSQSDMESFAQCQSLHHLKHLHLAGVI
 LHDLVPLGIFLENAVNTLKTLELEHCRMTDSQVSAFIPALNKCSQLIEVNFCDNDISMPVLTNLLHHT
 ANLSQLIMELYAPLECYETGFVLRPERIVQLSSELMNICTVRQPHSICFASQLCLICSQRCTYGLETR
 LCHCCQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9074_d02.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001113735

ORF Size: 1488 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_001113735.1](#), [NP_001107207.1](#)

RefSeq Size: 2104 bp

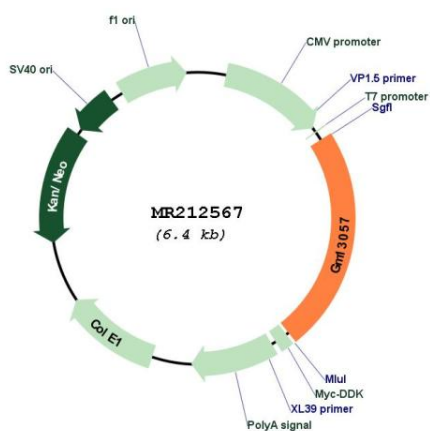
RefSeq ORF: 1491 bp

Locus ID: 100040861

Cytogenetics: 4 E1

MW: 56.6 kDa

Product images:



Circular map for MR212567