

## Product datasheet for **MR212354**

### Gm10318 (NM\_001162944) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gm10318 (NM_001162944) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gm10318
Synonyms:	EG622629; ENSMUSG00000071195
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR212354 representing NM_001162944 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCGCTCCACCATGTCCGCTGCTCTGACGCTCGCACCAACTCCTCCTGGCAGGTGGATGACTGTC  
CAGAGAGCTGCTGTGAGCCCTGCTGCTGTGCCCCAGCTGCTGCCAGCCCTGCTGCTGTGCCCCAGCTG  
CTGCCAGCCCTGCTGCTGTGCCCCATCCCCTGCCTGACCCTCCTCTGCACCCAGTGAGCTGTGTGCC  
AGCCCCCTGCTGCCAATCTTCTGCTGCACACCCTCATGCTGCCAGCAGTCTAGCTGCCAGCCAGCTTGT  
GCACCTGCTCCCCCTGCCAGCCATCCTGCTGTGTGACCCTCTGCTGCAAGCCTGTCTGCTGCACACCCAT  
CTGCTCTGGATCATGCTGCCAGTCTCATGCTGTCAATCCCCCTGCTGTGTGCCTGTCTGCTGCAAGCCT  
GTGTGCTGCACACCCATCTGCTCTGGCTCCTCCTCCTGCTGCCAGCCCTCCTGCTGTGCTCCTGTGTGCT  
GCAAGCCCTGCTCCAGCCTGTCCCTGCTGTGTGCGCCCTGTGTGCAGACCTGCCTGTTGTGTGCCACCTC  
CTCCTGCTGTGCCTCCTCCTGCCAGCCAGCTGCTGCCGCCAACCTCCTCTGTGTCCCTGCTGTGCCGC  
CCTGCCTGCTGCAGACAGGCTGCTGTGGCCAGAAGTCCAGCTGC

**ACGCGT**ACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR212354 representing NM\_001162944  
 Red=Cloning site Green=Tags(s)

MAASTMSVCS DARTNSSWQVDDCPESCCPECCAPSCCQPCCCAPSCCQPCCCAPSPCLTLLCTPVSCVS  
 SPCCQSSCCTPSCCQSSCQPACCTCSPCQPSCCVTLCKPVCCCTPICSGSCCQSSCCQSPCCVPVCCPKP  
 VCCTPICSGSSCCQPSCCAPVCCPKPCSSLSLLCRPVCRPACCVPTSSCCASSCQPSCCRPTSSVSLLCR  
 PACCRQACCGQKSSC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



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

**ACCN:** NM\_001162944

**ORF Size:** 675 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\_001162944.1, NP\_001156416.1

**RefSeq Size:** 930 bp

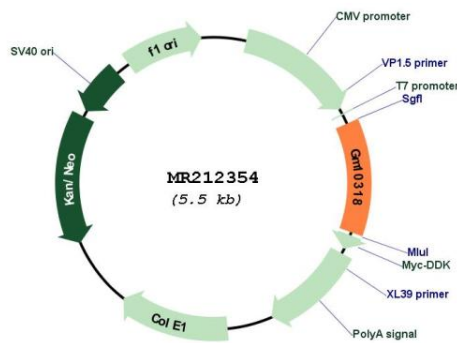
**RefSeq ORF:** 678 bp

**Locus ID:** 622629

**Cytogenetics:** 10

**MW:** 22.9 kDa

**Product images:**



Circular map for MR212354