

## Product datasheet for **MC218908**

### Gm5414 (NM\_001003670) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gm5414 (NM_001003670) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gm5414
Synonyms:	EG406223; Kb14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC218908 representing NM\_001003670  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCGACCCAAACCACCATCAAGAGTCAAACCAGCCACTGTGGTCCAGTGCCAGCTCAGCCAGAGTGC  
 CTGGGCTCAACCACTCTGGCTTCAGCTGTGTGTCTCTGTGCCAATCCCGGGGCATCAGTGGCTCTGGGCC  
 CATGTGTAGAGTAGCTAGCTTTGGCAGCAGGAGCCTCTACAGTGAGGGAAGCTCCAAGAGGATCTCCATT  
 GGAGGAAGCAGCTGTGGCAATAGGGAGTTCTATGGTAGACATTATGGGGGAGATCTTGGCATTGGAAGAG  
 GAGCCTGTGGTTGCTTTGGCTTTGGTGTGGAGCTGGCTTTGGTGTGGTATGGGGGAGCTGGCTTCCC  
 GGGATACCCATCTGGAGGTATTCAAGAGGTACCATCAGCCAGAGCCTCCTCATCCCCCTGAACCTGCAA  
 ATCGACCCACCATCCAGCGGTGAGGACTGAGGAGAGGGAGCAGATCAAGACCCCTCAACAACAGGTTTG  
 CCTCCTCATTGACAAGGTGCAGTTCCTGGAGCAGCAGAACAAGGTCTGGACACCAAGTGGGCCCTGCT  
 GCAGGAGCAGGGACCAAGACTGTGAAGCCTGAGGTAGAGACTCTATTTGAGGATTACATTAACATCCTT  
 TCAAGACGGCTGGGCTTCACTGTTGCAGAGAAGGGTCACCTGGACGCAGAGCTGAGGAGAAGTCAGGGTG  
 TACTGGAGGACTACAAGTACAAATATGAAGATGAAATCAGCAAGCGCACAGCAGCAGAGAATGAATTCCT  
 GACCCTGAAGAAGGATGCAGATGCTGCTTTCATGATCGAGAATGAACTTACAGCCAAGGTCCACAGTTTG  
 ATAGATGAGATCAACTTCTTGAGGACTTTATTTGATGCTGAAATGTCTCAGATGCAAACCTCCTCTCAG  
 ACACATCTGTGATTATCTCCATGGACAACAACCACAGCTTGGACATGGAGAGCATCATTGCTGAGGTCAA  
 GACACAATATGAGAACATTGCAAAGAAAAGTCAAGGCTGAGGCTGAGTCTTGGTACCAGACTAAATATGAG  
 GAGCTGCAGGTCACAGCTGGCAGACATGGGGACGACCTGCGCAACACCAAGCAGGAGATTGCTGAGATCA  
 ACCGCATGATCCAGAGGCTAAGGTCTGAGATTGACCAGTTAAGAAGCAGTGTGCCAACCTGCAAGCTGC  
 TATTGCTGATGCTGAGCAACGTTGGGAGATGGCCCTGAAGGATGCCAGGGGCAAGCTGGAAGGGCTGAAG  
 GATGCCCCGACAGAAGGCAAAACAGGACAGGACAGGCTGCGAAGGAGTACCAGGAGCTCTTGAGTGCA  
 ACATATACCTTGATGTGGAAATCACCACTTACAGGAAGCTGCTGGAGGGGAGGAAAACAGGTTCAATGG  
 TGAAGGTATTGGACAGTCAACATCTCTGTGGTCCGCTCCACTGGATCCAGCGGCTATGACAGTGCAGGT  
 GGTGCGAACAGAAACCATGGCCTGGGTGGAGGCAGCAGCCATTCCATGGCAGGAATCATGGCCTTGGAG  
 GTGGCTTACGACTGGCAGAAGCAGAGGCTTGGGGTGGCCTTGGCTCCTCTAGTGGCAGCTCTCCAC  
 CATCAAATACACCACTACCTCCTCCAGCAGGAAGCAACAGGC**ACTGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001003670
- Insert Size:** 1659 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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\\_001003670.1](#), [NP\\_001003670.1](#)

**RefSeq Size:** 1659 bp

**RefSeq ORF:** 1659 bp

**Locus ID:** 406223

**Cytogenetics:** 15 F2