

## Product datasheet for **MC228020**

### Gm2042 (NM\_001270792) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gm2042 (NM_001270792) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gm2042
Synonyms:	100039087
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC228020 representing NM\_001270792  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGTGATCTGTCTCCATTGTCCAGATCAGGATGATTCTTTAGAAGAAGTCACAGAGGAATGCTATTCCC  
 CACCCACCCTCCAGAACCCTGGCAATTCAGAGTCTACTGAGGGATGAGGCCTTGGCCATTTCTGCTCAC  
 GGACCTGCCCCAGAGTCTGTTCCAGTAATTTTGGAGAGGCCTTCACTGATGGATATATAGGGATCTTG  
 AAGGCCATGATACCTGTGTGGCCCTTCCATACCTTTCTTTAGGAAAGCAGATAAATAATTGCAACCTGG  
 AGACTTTGAAGGCTATGCTTGAGGGACTAGATACTGCTTGACAAAAGGTTCAAACAGTAGGTGCAA  
 ACTCAGAGTAATTAATTGGAGAGAAGATGACTTGAAGATATGGGTGGATCCCATGAAGGTGAAGGCTTA  
 CCAGATTTAGGACAGAGAAGCAGCCAATTGAGAACAGTCTGGCTGTGAGGTGAAGAAAGAAATTGAAGG  
 TGACGACTGAAGTCTTCGCATGAAGGGCAGACTTGTGATCTACCACATACTTGTTCAGTGGCCCA  
 GCAGAGAAAAGATTCTATTCATCTATTCTGTAGAAAGCTACTAATTGAAGGCTTAACCAAAGCCTCAGTG  
 ATAGAAATCTTCAAACCTGTACACGCAGACTGTATACAGGAGCTTATCCTAAGATGTATCTGCATAGAAG  
 AGTTGGCTTTTCTTAATCCCTACCTGAAACTGATGAAAAGTCTTTTACACTCACACTAGATCACATCAT  
 AGGTACCTTCAGTTTGGGTGATTCTGAAAAGCTTGTGAGGAGACAATATTCAGCTTGATTTCTCAACT  
 CCCACACTCCACTGTCTCCAGAACTCTATGTAATGATGTCCCTTTTATAAAAGGCAACCTGAAAGAAT  
 ACCTCAGGTGCCTGAAAAAGCCCTTGGAGACACTTTCATCAGTAAGTGTGACCTCTCACAGTCAGACT  
 GGATTGCCTGCCCTATTGCCTGAATATTTGTGAAGTCAAACATCTGCATATTAGTGATATATTTTATGT  
 GATTTACTCCTTGAGCCTCTTGGTTTTCTCCTTGAGAGAGTTGGAGATACCCTGAAAACCCTGGAATTGG  
 ATTCATGTTGTATAGTGGACTTTCAGTTCAGTGCCTTGTGCCTGCCCCTAAGCCAATGTTCTCACATCAG  
 AGAGGTCACTTTCTATGATAATGATGTTTTCTCTGCCTTTCTTGAACAACCTTCTACACCACACAGCCCTG  
 CTGAGTCAGTGATCTATGAGTGTACCCTGCCCTATAGAGTGCTATGATGACAGTGGTGAATACTAA  
 CACACAGATTAGAAAGTTTTTGCCTGAGCTTCTGGATATACTGAGAGCCAAAAGACAGCTCCATAGTGT  
 CTCCTTTCAAACAACCAATGCTCTAAATGTGGTGGGTGCTACATTTATGATCGGCATACCCAATGTTGC  
 CGTTTTGTGGAAGTACT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_001270792
- Insert Size:** 1491 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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\\_001270792.1](#), [NP\\_001257721.1](#)

**RefSeq Size:** 1841 bp

**RefSeq ORF:** 1491 bp

**Locus ID:** 100039087

**Cytogenetics:** 12 D2