

## Product datasheet for **MC217551**

### **Gmeb2 (NM\_198169) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Gmeb2 (NM_198169) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gmeb2
Synonyms:	A1839884
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC217551 representing NM\_198169  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGCAACCCAGATGTGAGCGTCCACATGGAGGAGTGGTGGTTGTGACAACTCCAGACTGCAGTTG  
ATGGCAGTGGTGTAGAGGAAGTGAAGACAGTGCTTGTAAACAACGAACCTAGCTCCTCATGGGGGTGATTT  
GACAGAAGATAACATGGAACAGAAAATGCAGCAGCTGCAGCTGCTGCTTTTACAGCCTCCTCACAG  
CTCAAGGAAGCCGTGTTAGTGAAGATGGCTGAAGAGGGGAGAAGTTAGAGGCTGAAATTGTGTACCCCA  
TCACTTGGCGAGACAGCAGAGCTAACCTCATTTGGAGGAAGTTTGTGTCCTGGCATCAATGTAAATG  
TGTTCAATGATGAACATGTGATCAGCCAAAGGAGTTTGTGCACCTGGCAGGGAAATCTACCTTGAAG  
GATTGGAAGAGAGCCATCCGGATGAATGGCATCATGCTCAGGAAGATCATGGACTCTGGAGAGCTAGACT  
TCTACCAGCATGACAAGTCTGCTCTAATACTTCCCGCAGCACGAAGATTGACCTTTCAGGGGCAGGTGT  
ATCCCTGAGCAGTCTACATCCACAGAATACATCCCACTCACACCAGCTGCAGCTGATGTGAATGGCTCA  
CCTGCCACCATACCATAGAGACCTGTGAGGACCCTGGTACTGGACCACAACCATTGGAGATGACACAT  
TTGCATTTCTGGCGGGGATTAAGGATGCGGGCTTACTGGATGAAGTCATACAGGAATTTCAACAGGAGCT  
AGAGGAAACCATGAAAGGCCCTGCAGCAGCAGTGCAGGACCCACCCTGCAGCTCCGAGATGCTGTCCCTC  
CTCAACAACATCGTGCAAACTTTGGCATGCTGGATCTGGTGAAGAAGGTACTGGCCAGCCACAAGTGTG  
AGATGGATCGTTCGGGGAACAGTATGCACGGGACCTGGCAGCCCTGGAGCAGCAGTGTGATGAACATCG  
CCGCCGTGCCAAGGAGCTGAAGCACAAGTCCAGCACCTCAGCAATGTGCTCATGACGCTGACCCCGGTT  
CCATTGCCATCCCCTATGAAGCGGCCCGTCTCGCCCGGGCTACATCTGGACCAGCTGCTATGGCTTCCC  
AGGTGCTCACACAGTCTGCACAGATTGCTTGTGAGTCCAGGAATGCCTGTGTCACAGTTGACCAGTGTGCC  
ACTGGGCAAGTAGTATCTACACTGCCCTCCACTGTCTGGGCAAGGGCTCTCCTCAAGCTGCCCCAGCC  
AGTTCACCGCCCTCCCACTGCTCGGAGGCTACACAGTTCTGGCCTCCTCTGGCTCTACCTTCCCAACG  
CAGTCGAGATCCATCCGGACACTCCAGCCTCACAGTTTTGAGCACAGCCGCCATGCAGGATGGCAGCAC  
AGTACTGAAGGTAGTCAGCCCCTTGCAGCTGCTCACCTGCCTGGCCTGGGACCCACCCTACAGAATGTG  
GCTCAGGCATCACCTGCAGGCAGCACCATTGTGACAATGCCTACAGCAACTGCCACTGGACTGAGGAGC  
ACACGGCCACTATTGAGGTGGCTGCTGTAGCAGAGGACCATGAGCAGAAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_198169

**Insert Size:** 1593 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\\_198169.2](#), [NP\\_937812.1](#)

**RefSeq Size:** 4050 bp

**RefSeq ORF:** 1593 bp

**Locus ID:** 229004

**UniProt ID:** [P58929](#)

**Cytogenetics:** 2 H4

**Gene Summary:** Trans-acting factor that binds to glucocorticoid modulatory elements (GME) present in the TAT (tyrosine aminotransferase) promoter and increases sensitivity to low concentrations of glucocorticoids. Binds also to the transferrin receptor promoter (By similarity).  
[UniProtKB/Swiss-Prot Function]