

Product datasheet for **MG208907**

Gmeb1 (NM_020273) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gmeb1 (NM_020273) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gmeb1
Synonyms:	1110050A04Rik; AI256615; AI481278
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208907 representing NM_020273
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCCAATGCAGAAGTGAAGTCCAGTGGGAGATGTGGTTGTGGTACCCACTGAAGGAAATGAAGGGG
 AGAACCCGGAAGACACTAAAACCTCAAGTATCTTGCAGTTACAGCCTGTGCAACAAGGGATTATGAAGC
 TGGGTCGGAGAATAGCGCAGCAGTTGTAGCCGTAGAGACCCACTCAATACACAAAATCGAGGAAGGAATT
 GATGCAAGCAGTATAGAAGGGAACGAGGACATGGAGATCGCTTACCCTATAACCTGTGGGAGAGTAAAG
 CTGTCTCTCTGGAAGAAGTTCGTGTGTCAGGAATAAACGTGAAGTGTGTCAAGTTTAAATGACCAGCT
 GATCAGTCCCAAGCACTTCGTTACCTGGCTGGCAAGTCCACCCTGAAGGACTGGAAGAGAGCCATCCGT
 CTAGGCGGCATCATGCTCAGGAAGATGATGGACTCTGGACAGATCGATTTTACCAGCATGACAAAGTTT
 GCTCCAATACCTGCAGGAGCACAAATTTGACCTCCTGATCAGCAGTGCAGGGCTCCAGTGCCAGGACA
 GCAGACAAGTGTGGTGCAGACCCACCTCGGCCGATGGGAACATCACACAGATCGCCATCTCAGAGGAG
 AGCATGGAAGAGGAGGGCTGGAGTGGAACTCAGCCCTCACCGCCGTGTACCATGGCCACAGAGGAGG
 GTATAAAGAAAGAGTCTGAAGAGATTTAGAGGACACTTTGATGTTCTGGAAGGGGATAGCTGATGTAGG
 GTTGATGGAGGAGTCTGCTGCAACATCCAGAAGGAGATGGAAGAGCTGCTCAGGGGCGTTGAGCAGCG
 CTCATTAGGCCCTTTCCAGGTACAGATGCTGCTGTTCTAAACAATGTGGCAACACATTTGGCCTAA
 TGGACGCGGTCAAGAGAGTTTTGGACAACAGACGGAAGCAAGTGGAGCAGGGCGAGGAGCAGTTTCTCTA
 CACCCTGGCAGACTTGAACGGCAGTTGGAGGAGCAAAAAAGCAAGCCCAAGATCCCAGACTGAAATCC
 CAGACAGTTCAAATGTGGTACTGATGCCCGTGAACCCCAAGCCCTCAAAAAGACCCCGCTCCAGC
 GGCCAGCTCCACCACCTCCTGAGCCCTCTCCTGTCCAGCAGCCTCAGTTTACTGTCACTCTCCCAT
 CACCATTACTCCTGTGGGCCAGTCTTCTCCATGGGCAACATCCCAGTGGCTACCCTCAGCCAGGGCTCC
 AGTCTGTGACTGTCCACACACTGCCTTGGCCCTCAGCTCTTCCGCTATGCCACGGTGGTTTCTCTG
 CCAAGAGCAACTCACCAGACACAGTACCATCCACCCTTCTCAAGTTTGGCACTGCTAAGCTCCACCTC
 TATGCAGGATGGGAGTCCCTGGCAACATGGCCACCATGGTGGAGCCCATGGAGCTAGTGGCCATGGAG
 TCCGGCTGACGTGAGCAATCCAGGCTGTTGAAAGCACCTCTGAGGATGGGCAGACCATCATTGAAATCG
 ACCCTGCCCCAGACTCCGAGGCTGACGACACTGAGGGCAAGCAGTCATCTTGGAGACAGGGCTGAGGAC
 TGAGGAGAAAGTGTAGCCGAAATGGAAGAACCAGCATCAGGTCCACAATGTGGAGATGTGGTCTTG
 GAGGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208907 representing NM_020273
 Red=Cloning site Green=Tags(s)

MANAEVSVPGDVVVPTTEGNEGENPEDTKTQVILQLQPVQQGIYEAGSENSAAVVAVETHSIHKIEEGI
 DASSIEGNEDMEIAYPITCGESKAVLLWKKFVCPGINVKCVKFNQDLISPKHFVHLAGKSTLKDWKRAIR
 LGGIMLRKMMSGQIDFYQHDKVCSNTRSTKFDLLISSARAPVPGQTSVVQTPTSADGNITQIAISEE
 SMEEAGLEWNSALTAAVTMATEEGIKKESEEISEDLMFWKGIADVGLMEEVVCNIQKEMEELLRGVQQR
 LIQAPFQVTDAAVLNNVANTFGLMDAVKRVLDNRRKQVEQEEQFLYTLADLERQLEEQKKAQDPRLKS
 QTVQNVVLMVSTPKPPKRPRLRPASTTVLSPSPVQQPQFTVISPITITPVGQSFSGMGNIPVATLSQGS
 SPVTVHTLPSGPQLFRYATVVSSAKSNSPDTVTIHPSSSLALLSSTSMQDGSLLGNMATMVSPMELVAME
 SGLTSAIQAVESTSEDGQTIIEIDPAPDSEADDTGKAVILETGLRTEEKVVAEMEEHQHVHNVIVVLE
 ED

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

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:	<ol style="list-style-type: none">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_020273.1 , NP_064669.1
RefSeq Size:	2486 bp
RefSeq ORF:	1689 bp
Locus ID:	56809
UniProt ID:	Q9JL60
Cytogenetics:	4 D2.3
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]