

Product datasheet for **MG208497**

Gmeb2 (NM_198169) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gmeb2 (NM_198169) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gmeb2
Synonyms:	A1839884
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG208497 representing NM_198169
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCAACCCAGATGTGAGCGTCCACATGGAGGAGTGGTGGTTGTGACAACTCCAGACTGCAGTTG
 ATGGCAGTGGTGTAGAGGAAGTGAAGACAGTGCTTGTAAACAACGAACCTAGCTCCTCATGGGGTGATTT
 GACAGAAGATAACATGGAACAGAAAATGCAGCAGCTGCAGCTGCTGCTTTTACAGCCTCCTCACAG
 CTAAGGAAGCCGTGTTAGTGAAGATGGCTGAAGAGGGGGAAGTCTAGAGGCTGAAATTGTGTACCCCA
 TCCTTGCAGGAGACAGCAGACTAACCTCATTTGGAGGAAGTTTGTGTCCTGGCATCAATGTAAATG
 TGTTCACTATGATGAACATGTGATCAGCCCAAAGGAGTTTGTGCACCTGGCAGGGAAATCTACCTGAAG
 GATTGGAAGAGAGCCATCCGGTGAATGGCATCATGCTCAGGAAGATCATGGACTCTGGAGAGCTAGACT
 TCTACCAGCATGACAAGTCTGCTCTAATACTTCCCGCAGCACGAAGATTGACCTTTCAGGGGCAGTGT
 ATCCCTGAGCAGTCTACATCCACAGAATACATCCCACTCACACCAGCTGCAGCTGATGTGAATGGCTCA
 CCTGCCACCATCACCATAGAGACCTGTGAGGACCTGGTACTGGACCACAACCATTGGAGATGACACAT
 TTGCATCTGGCGGGGATTAAAGGATGCGGGCTTACTGGATGAAGTCATACAGGAATTTCAACAGGAGCT
 AGAGGAAACCATGAAAGGCTGCAGCAGCAGTGCAGGACCCACCCTGCAGCTCCGAGATGCTGTCCCTC
 CTAACAACATCGTGCAAACTTTGGCATGCTGGATCTGGTGAAGAAGGTACTGGCCAGCCACAAGTGTC
 AGATGGATCGTTCGGGGAACAGTATGCACGGGACCTGGCAGCCCTGGAGCAGCAGTGTGATGAACATCG
 CCGCCGTGCCAAGGAGCTGAAGCACAAGTCCAGCACCTCAGCAATGTGCTCATGACGCTGACCCCGTT
 CCATTGCCATCCCCTATGAAGCGGCCCGTCTCGCCCGGGCTACATCTGGACCAGCTGCTATGGCTTCCC
 AGGTGCTCACACAGTCTGCACAGATTGCTTTGAGTCCAGGAATGCCTGTGTCACAGTTGACCAGTGTGCC
 ACTGGGCAAAGTAGTATCTACACTGCCCTCCACTGTCTGGGCAAGGGCTCTCCTCAAGCTGCCCCAGCC
 AGTTCACCGGCTCCCACTGCTCGGAGGCTACACAGTTCTGGCCTCCTCTGGCTCTACCTTCCCCAACG
 CAGTCGAGATCCATCCGGACTTCCAGCCTCACAGTTTTGAGCACAGCCGCCATGCAGGATGGCAGCAC
 AGTACTGAAGGTAGTCAGCCCTTGCAGCTGCTCACCTGCCTGGCCTGGGACCCACCCTACAGAATGTG
 GCTCAGGCATCACCTGCAGGCAGCACCATTGTGACAATGCCTACAGCAACTGCCACTGGACTGAGGAGC
 ACACGGCCACTATTGAGTGGCTGCTGTAGCAGAGGACCATGAGCAGAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208497 representing NM_198169
 Red=Cloning site Green=Tags(s)

MATPDVSVHMEEVVVVTTTPDVAVDGSGVEEVKTVLVTTNLAPHGGDLTEDNMETENAAAAAAFTASSQ
 LKEAVLVKMAEEGENLEAEIVYPITCGDSRANLIWRKFVCPGINVKCVQYDEHVISPKFVHLAGKSTLK
 DWKRAIRMNGIMLRKIMDSGELDFYQHDKVCNTRCRSTKIDLSGARVSLSSPTSTEYIPLTPAAADVNGS
 PATITITCEDPGDWTTTIGDDTFAFWRGLKDAGLLDEVIQEFQEQELEETMKGLQQRVQDPPPLQLRDAVL
 LNNIVQNFGLDLVKKVLASHKQMDRSREQYARDLAALQCCDEHRRRAKELKHKSQLSNVMTLTPV
 PLPSPMKRPRLARATSGPAAMASQVLTQSAQIALSPGMPVSQLTSVPLGKVVSTLPSTVLGKGSPPAQA
 SSPASPLLGGYTVLASSGSTFPNAVEIHPDSSLTVLSTAAMQDGVTLKVVVSPQLLLTLPGLGPTLQNV
 AQASPAGSTIVTMTATATGPEEHTATIEVAVAEDHEQK

TRTRPLE - GFP Tag - V

Restriction Sites:

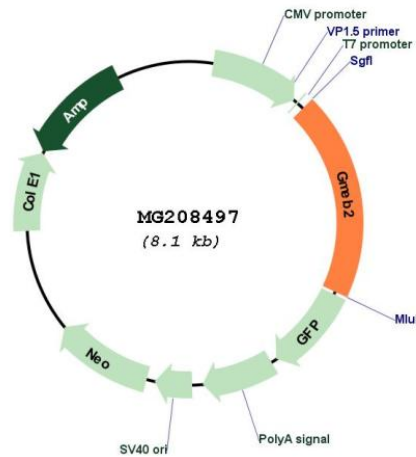
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN:	NM_198169
ORF Size:	1590 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:	<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_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]