

Product datasheet for **MR224569**

Gmeb1 (NM_001122992) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gmeb1 (NM_001122992) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gmeb1
Synonyms:	1110050A04Rik; AI256615; AI481278
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR224569 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGGCCAATGCAGAAGTGAGCGTCCAGTGGGAGATGTGGTTGTGGTACCCACTGAAGGAAATGAAGGGG
 AGAACCCGGAAGACACTAAACTCAAGTGATCTTGCAAGTTACAGCCTGTGCAACAAGGGATTATGAAGC
 TGGGTCGGAGAATAGCGCAGCAGTTGTAGCCGTAGAGACCCACTCAATACACAAAATCGAGGAAGGAATT
 GATGCAAGCAGTATAGAAGGGAACGAGGACATGGAGATCGCTTACCCTATAACCTGTGGGAGAGTAAAG
 CTGTCTCTCTGGAAGAAGTTCGTGTGTCCAGGAATAAAGCTGAAGTGTGTCAAGTTTAAATGACCAGCT
 GATCAGTCCCAAGCACTTCGTTACCTGGCTGGCAAGTCCACCCTGAAGGACTGGAAGAGAGCCATCCGT
 CTAGGCGGCATCATGCTCAGGAAGATGATGGACTCTGGACAGATCGATTTTTACCAGCATGACAAAGTTT
 GCTCCAATACCTGCAGGAGCACAAAATTTGACCTCCTGATCAGCAGTGCAGGGGCTCCAGTGCCAGGACA
 GCAGACAAGTGTGGTGCAGACCCCCACCTCGGCCGATGGGAACATCACACAGATCGCCATCTCAGAGGAG
 AGCATGGAAGAGGCAGGGCTGGAGTGGAATCAGCTCTACCGCCGCTGTCAACATGGCCACAGAGGAGG
 GTATAAGAAAAGAGTCTGAAGAGATTTAGAGGACACTTTGATGTTCTGGAAGGGGATAGCTGATGTAGG
 GTTGATGGAGGAGGTCTGCTGCAACATCCAGAAGGAGATGGAAGAGCTGCTCAGGGGCGTTCAGCAGCGG
 CTCATTAGGCCCTTTCCAGGTACAGATGCTGCTGTTCTAAACAATGTGGCGAACACATTTGGCCTAA
 TGGACGCGGTCAAGAGAGTTTGGACAACAGACGGAAGCAAGTGGAGCAGGGCGAGGAGCAGTTTCTCTA
 CACCCTGGCAGACTTGAACGGCAGTTGGAGGAGCAAAAAAGCAAGCCCAAGATCCCAGACTGAAATCC
 CAGACAGTTCAAAATGTGGTACTGATGCCCGTGAGCACCCCAAGCCTCCAAAAAGACCCCGCTCCAGC
 GGCCAGCCTCCACCACCGTCTGAGCCCTTCTCCCGTCCAGCAGCCTCAGTTTACTGTCTCTCCCAT
 CACCATTAATCTGTGGGCCAGTCTTCTCCATGGGCAACATCCAGTGGCTACCTCAGCCAGGGCTCC
 AGTCTGTGACTGTCCACACACTGCCTTGGCCCTCAGCTCTTCCGCTATGCCACGGTGGTTTCTCTG
 CCAAGAGCAACTCACCAGACACAGTGACCATCCACCCTTCTCAAGTTTGGCACTGCTAAGCTCCACCTC
 TATGCAGGATGGGAGTTCCTGGCAACATGGCCACCATGGTGAGCCCCATGGAGCTGGTGGCCATGGAG
 TCCGGCTGACGTGAGCAATCCAGGCTGTTGAAAGCACCTCTGAGGATGGGCAGACCATCATTGAAATCG
 ACCCTGCCCCAGACTCCGAGGCTGACGACACTGAGGGCAAAGCAGTCATCTTGAGACAGGGCTGAGGAC
 TGAGGAGAAAAGTGGTAGCCGAAATGGAAGAACACCAGCATCAGGTCCACAATGTGGAGATTGTGGTCTTG
 GAGGAC

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

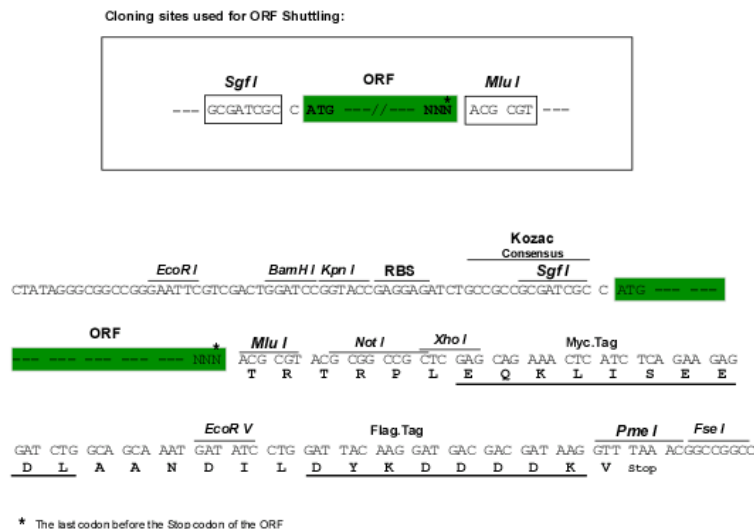
>MR224569 protein sequence
 Red=Cloning site Green=Tags(s)

MANAEVSVPGDVVVVPTEGNEGENPEDTKTQVILQLQPVQQGIYEAGSENSAAVVAVETHSIHKIEEGI
 DASSIEGNEDMEIAYPITCGESKAVLLWKKFVCPGINVKCVKFNDQLISPKHFVHLAGKSTLKDWKRAIR
 LGGIMLRKMMSGQIDFYQHDKVCNTRSTKFDLLISSARAPVPGQTSVVQTPTSADGNITQIAISEE
 SMEEAGLEWNSALTAAVTMATEEGIKKESEEISEDLMFWKGIADVGLMEEVVCNIQKEMEELLRGVQQR
 LIQAPFQVTDAAVLNNVANTFGLMDAVKRVLDNRRKQVEQGEEQFLYTLADLERQLEEKKQAQDPRLKS
 QTVQNVLMPVSTPKPPKRPRLRPASTTVLSPSPVQQPQFTVISPIITITPVGQSFSGMGNIPVATLSQGS
 SPVTVHTLPSGPQLFRYATVVSSAKSNSPDTVTIHPSSSLALLSSTSMQDGSSLGNMATMVSPMELVAME
 SGLTSAIQAVESTSEDGQTIIEIDPAPDSEADDTGKAVILETGLRTEEKVVAEMEEHQHVHNVEIVVL
 ED

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001122992

ORF Size: 1686 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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001122992.1](#), [NP_001116464.1](#)

RefSeq Size: 6581 bp

RefSeq ORF: 1689 bp

Locus ID: 56809

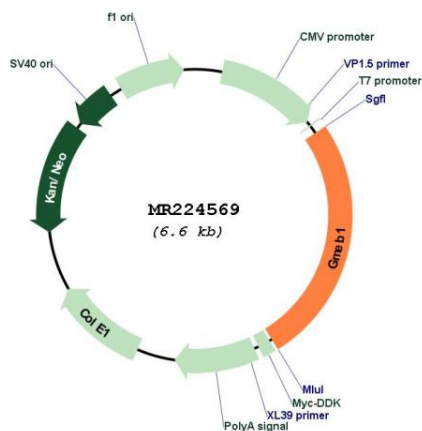
UniProt ID: [Q9JL60](#)

Cytogenetics: 4 D2.3

MW: 61.1 kDa

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]

Product images:



Circular map for MR224569