

Product datasheet for MR201229

Gadd45b (NM_008655) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gadd45b (NM_008655) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Gadd45b
Synonyms: AI323528; Myd118
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201229 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGACCCTGGAAGAGCTGGTGGCGAGCGACAACCGGTTTCAGAAGATGCAGGCGGTGACTGCCGCGGTGG
AGCAGCTGCTGGTGGCCGCGCAGCGTCAGGATCGCCTCACCGTGGGGGTGTACGAGGCGGCCAAACTGAT
GAATGTGGACCCCGACAGCGTGGTCTTGTGCCTCCTGGCCATAGACGAAGAAGAGGAGGATGATATCGCT
CTGCAGATTCACCTCACCTGATCCAGTCGTTCTGCTGCGACAATGACATTGACATCGTCCGGGTATCAG
GCATGCAGAGGCTGGCGCAGCTCCTGGGGGAGCCGGCGGAGACATTGGGCACAACCGAAGCCCGAGACCT
GCACTGCCTCCTGGTACGAACTGTACATACAGATTCTGGAAAAGCCAAGGCTTGGTGGAGGTGGCCAGT
TACTGTGAAGAGAGCAGAGGCAATAACCAATGGGTCCCCTATATCTCTCTAGAGGAACGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201229 protein sequence
Red=Cloning site Green=Tags(s)

MTLEELVASDNAVQKMQAVTAAVEQLLVAAQRQDRLTVGVYEAAKLMNVDPDSVVLCLLAIDEEEDDIA
LQIHFTLIQSFCDDNDIDIVRVSGMQRLAQLLGEPAETLGTTEARDLHCLLVNCHTDSWKSQGLVEVAS
YCEESRGNNQWVPYISLEER

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_008655

ORF Size: 483 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.

RefSeq: [NM_008655.1](#), [NP_032681.1](#)

RefSeq Size: 1305 bp

RefSeq ORF: 483 bp

Locus ID: 17873

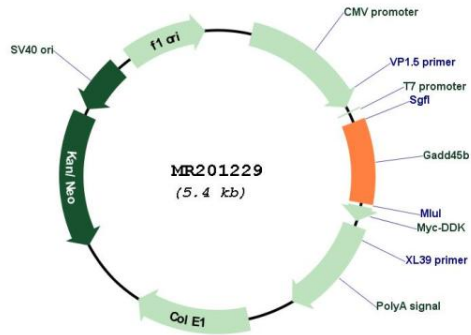
UniProt ID: [P22339](#)

Cytogenetics: 10 39.72 cM

MW: 17.8 kDa

Gene Summary: Involved in the regulation of growth and apoptosis. Mediates activation of stress-responsive MTK1/MEKK4 MAPKKK (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR201229