

Product datasheet for **RG209644**

GADD45GIP1 (NM_052850) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: GADD45GIP1 (NM_052850) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: GADD45GIP1
Synonyms: CKBBP2; CKbetaBP2; CRIF1; MRP-L59; PLINP; PLINP-1; Plinp1; PRG6
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG209644 representing NM_052850
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCGTCCGTGCGACAGGCACGCAGCCTACTAGGTGTGGCGGCACCCTGGCCCCGGGTTCCCGTG
GCTACCGGGCGCGGCCGCCCGCCGCGCAGGCCGGGACCCCGGTGGCCAGACCCGAGGACCTCCTGAC
CCCGCGGTGGCAGCTGGGACCGCGCTACGCGGCTAAGCAGTTCGCGGTTACGGCGCCGCTCCGGGGTG
GTCCCCGGTTCGTTATGGCCGTCGCCGGAGCAGCTGCGGGAGCTGGAGGCCGAAGAACCGCAATGGTACC
CGAGCCTGGCGACCATGCAGGAGTCGCTGCGGGTGAAGCAGCTGGCCGAAGAGCAGAAGCGTCGGGAGAG
GGAGCAGCACATCGCAGAGTGCATGGCCAAGATGCCACAGATGATTGTGAACTGGCAGCAGCAGCAGCGG
GAGAACTGGGAGAAGGCCAGGCTGACAAGGAGAGGAGGGCCCGACTGCAGGCTGAGGCCAGGAGCTCC
TGGGCTACCAGGTGGACCCAAGGAGTGCCCGCTTCCAGGAGCTGCTCCAGGACCTAGAGAAGAAGGAGCG
CAAGCGCCTCAAGGAGGAAAAACAGAAACGGAAGAAGGAGGCGCGAGCTGCTGCATTGGCTGCAGCTGTG
GCTCAAGACCCAGCAGCCTCTGGGGCACCCAGCTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG209644 representing NM_052850
Red=Cloning site Green=Tags(s)

MAASVRQARSLLGVAATLAPGSRGYRARPPPPRRRPGRWPDPEDLLTPRWQLGPRYAAKQFARYGAASGV
 VPGSLWPSPEQLRELEAEEREWYPSLATMQESLRVKQLAEEQKRREREQHIAECMAKMPQMI VNWQQQR
 ENWEKAQADKERRARLQAEAQELLGYQVDPRSARFQELLQDLEKKERKRLKEEKQKRKKEARAAAALAAAV
 AQDPAASGAPSS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_052850

ORF Size: 666 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_052850.4](#)

RefSeq Size: 744 bp

RefSeq ORF: 669 bp

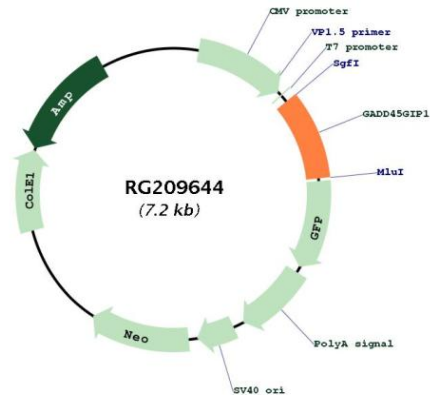
Locus ID: 90480

UniProt ID: [Q8TAE8](#)

Cytogenetics: 19p13.13

Gene Summary: This gene encodes a nuclear-localized protein that may be induced by p53 and regulates the cell cycle by inhibiting G1 to S phase progression. The encoded protein may interact with other cell cycle regulators. [provided by RefSeq, Aug 2012]

Product images:



Circular map for RG209644