

Product datasheet for **RC209644**

GADD45GIP1 (NM_052850) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GADD45GIP1 (NM_052850) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GADD45GIP1
Synonyms:	CKBBP2; CKbetaBP2; CRIF1; MRP-L59; PLINP; PLINP-1; Plinp1; PRG6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC209644 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGCGGCGTCCGTGCGACAGGCACGCAGCCTACTAGGTGTGGCGGCGACCCTGGCCCCGGGTCCCGTG
 GCTACCGGGCGCGGCCCGCCCCGCGCGCAGGCCGGGACCCGGTGGCCAGACCCGAGGACCTCCTGAC
 CCCGCGGTGGCAGCTGGGACCGCGCTACGCGGCTAAGCAGTTCGCGCGTTACGGCGCCGCCTCCGGGGTG
 GTCCCCGGTTCGTTATGGCCGTCGCCGAGCAGCTGCGGGAGCTGGAGGCCAAGAACGCGAATGGTACC
 CGAGCCTGGCGACCATGCAGGAGTCGCTGCGGGTGAAGCAGCTGGCCGAAGAGCAGAAGCGTCGGGAGAG
 GGAGCAGCACATCGCAGAGTGATGGCCAAGATGCCACAGATGATTGTGAAGTGGCAGCAGCAGCAGCGG
 GAGAACTGGGAGAAGGCCCAGGCTGACAAGGAGAGGAGGGCCCGACTGCAGGCTGAGGCCCAGGAGCTCC
 TGGGCTACCAGGTGGACCCAAGGAGTGCCCGCTTCCAGGAGCTGCTCCAGGACCTAGAGAAGAAGGAGCG
 CAAGCGCCTCAAGGAGGAAAAACAGAAACGGAAGAAGGAGGCGCGAGCTGCTGCATTGGCTGCAGCTGTG
 GCTCAAGACCCAGCAGCCTCTGGGGCACCCAGCTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC209644 protein sequence
 Red=Cloning site Green=Tags(s)

MAASVRQARSLLGVAATLAPGSRGYRARPPPPRRPGPRWDPEDLLTPRWQLGPRYAAKQFARYGAASGV
 VPGSLWPSPEQLRELEAEEREWYPSLATMQESLRVKQLAEEQKRREREQHIAECMAKMPQMIWNWQQQQR
 ENWEKAQADKERRARLQAEAQELLGYQVDPRSARFQELLQDLEKKERKRLKEEKQKRKKEARAAALAAAV
 AQDPAASGAPSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6086_a03.zip

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: 772 bp

RefSeq ORF: 669 bp

Locus ID: 90480

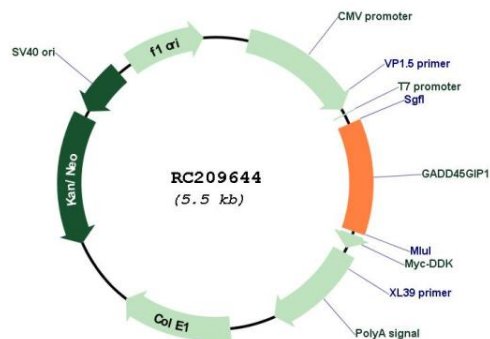
UniProt ID: [Q8TAE8](#)

Cytogenetics: 19p13.13

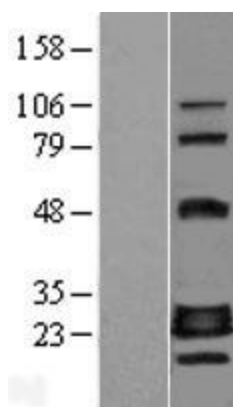
MW: 25.4 kDa

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]

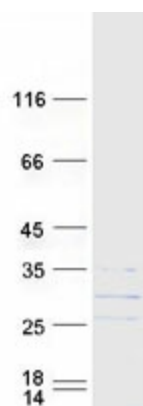
Product images:



Circular map for RC209644



Western blot validation of overexpression lysate (Cat# [LY409460]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC209644 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified GADD45GIP1 protein (Cat# [TP309644]). The protein was produced from HEK293T cells transfected with GADD45GIP1 cDNA clone (Cat# RC209644) using MegaTran 2.0 (Cat# [TT210002]).