

Product datasheet for **SC115045**

GADD34 (PPP1R15A) (NM_014330) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GADD34 (PPP1R15A) (NM_014330) Human Untagged Clone
Tag:	Tag Free
Symbol:	GADD34
Synonyms:	GADD34
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_014330 edited
GAATTCGGCACGAGGCCAGTTGTTGATCTTATGCAAGACGCTGCACGACCCCGCGCCCC
CTTGTCGCCACGGCACTTGAGGCAGCCGGAGATACTCTGAGTTACTCGGAGCCCGACGCC
TGAGGGTGAGATGAACGCGCTGGCCTCCCTAACCGTCCGGACCTGTGATCGCTTCTGGCA
GACCGAACCGGCTCCTGCCCCGGGGTGACGCGCAGCCCCAGCCGCCAGACACATG
GCCCCAGGCCAAGCACCCATCAGGCTACCCCGTGGAGGGATGCCACCCCTTCTTCTCCTC
CTGTCCCAGTGATGGGCTCCTCAGCCGCGCTGGAGCCGCCTGAGGGGCTGGGACCT
CTAGAGCCCTGGCTGGTGAAGCAGTAAAAGGAGCAGCTCTGGTAGAAGCTGGCCTGGAG
GGAGAAGCTAGGACTCCTCTGGCAATCCCCCATACCCCTTGGGGCAGACGCCCTGAAGAG
GAGGCTGAAGACAGTGGAGGCCCTGGAGAGGACAGAGAAACTGGGGCTGAAAACCAGC
AGTTCCCTTCTGAAGCCTGGGACTTTTGGATGATGATGATGGCATGTATGGTGAAGCA
GAGGCAACCAGTGTCCCTAGAGGGCAGGGAAGTCAATTTGAGATGGCCAGCGTGTCTCC
CTGTCTCCAGCCTTCTGATAAGGACACTGCAAGGTTCTGATAAGAACCAGGGGAGGAG
AAAGCCGAGGAAGAGGGAGTTGCTGAAGAGGAGGGAGTTAACAAGTTCTTTATCCACCA
TCACACCGGAGTGTGTCCAGCCGTGGAGGAGGAGACGATGAAGAAGCTGTAAGAAA
GAAGCTCACAGAACCTCTACTTCTGCCTTGTCTCCAGGATCCAAGCCAGCACTTGGGTG
TCTTGCCAGGGGAGGAAGAGAATCAAGCCACGGAGGATAAAAGAACAGAAAGAAGTAAA
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TGGTGGTGCCAAACCAGTGATGAAGAGGAGAGTGAGGTCAAGCCTTTGGGGCAGCTGAG
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TGGGTGATTGGCCAGGAGAGGACACAGAGGAAGAGGAAGATGAGGAAGAAGATGAGGAC
AGTGACTCTGGATCAGATGAGGAAGAGGAGAAGCTGAGGCTTCTCTTCCACTCCTGCT
ACAGGTGTCTTCTGAAGTCTGGTCTATCAGCCAGGAGGACACAGAGGAGGAGGAA
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TGGGCTCCTCCTAGGCTGCCCTCCGACTGCAAAGGCGGCTCAAGCGCCAGAAACCCCT
ACTCATGATCCGACCCCTGAGACTCCCCTAAAGGCCAGAAAGGTGCGCTTCTCCGAGAAG
GTCAGTGTCCATTTCTGGCTGTCTGGGCAGGGCCGGCCAGGCCGCCAGGGCCCC
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GAGCTGAGCCCTGCCTCACCCCTGCTGCCCGGCCAGAGCCTGGGCACGCCTCAGGAAC
CCACCTTAGCCCCATCCCTGCCCTCACCCAGACCTTGCCTTCTCCTCTGTCCCTTCC
TCCCCAGTCCAGACCACGCCCTTGAGCCAAGCTGTGGCTACACCTTCCCGCTCCTGCTGCT
GCTCAGCGGCTGCCCTGGACCTCAGTGGGAGGCGTGGCTGAGACCAACTGGTTTGCCTA
TAATTTATTAAGTATTTATTTTTCTAAGTGTGGGTTTATATAAGGAATAAAGCCTTTTG
ATTTGTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACTCGAC
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_014330 unedited
 NGTAACGTCAAATTTTGTATACGACTCACTATAGGCGGCCGCGNAATTCGCACGAGGCC
 AGTTGTTGATCTTATGCAAGACGCTGCACGACCCCGCCCGCTTGTCCGCACGGCACTT
 GAGGCAGCCGGAGATACTCTGAGTTACTCGGAGCCCGACGCTGAGGGTGAGATGAACGC
 GCTGGCCTCCCTAACCGTCCGGACCTGTGATCGCTTCTGGCAGACCGAACCGGCGCTCT
 GCCCCCGGGTGACGCGCAGCCCCAGCCGCCAGACACATGGCCCCAGGCCAAGCACCC
 CATCAGGCTACCCCGTGGAGGGATGCCACCCTTTCTTCTCCTGTCCCCAGTGATGGC
 CTCTCAGCCGCGCTGGAGCCGCTGAGGGGCTGGGACCTCTAGAGCCCTGGCTGGTG
 GAAGCAGTAAAAGGAGCAGCTCTGGTAGAAGCTGGCCTGGAGGGAGAAGCTAGGACTCT
 CTGGCAATCCCCATACCCCTTGGGGCAGACGCCCTGAAGAGGAGGCTGAAGACAGTGGA
 GGCCCTGGAGAGGACAGAGAAACTGGGGCTGAAAACCAGCAGTTCCCTTCTGAAGCC
 TGGGGACTTTTGGATGATGATGATGGCATGTATGGTGAGCGAGAGGCAACCAGTGTCCCT
 AGAGGGCAGGGAAGTCAATTTGCAGATGGCCAGCGTGCTCCCTGTCTCCAGCCTTCTG
 ATAAGGACTGCAAGGTTCTGATAAGAACCAGGGGAGGAGAAAGCCGAGGAAGAGGGA
 GTTGCTGAAGAGGAGGGGAGTTAACAGTTCTTATCCCATCCACCGGAGTGTGTCC
 AGCCGTGGAGGAAGAGGACGATGAAGAAGCTGTTAAGNAAGAAGCTCACAGACCTCTACT
 TTC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_014330 unedited
 ACCAAGCCGCNTTCGAGATCGAGTAAATCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
 TTTTACAAATCAAAGGGTTTATTCCTTATATAAACCCACACTAAAAAATAAATAG
 TTAATAAATTATAGGCAAACAGTTGGTCTCAGCCACCCCTCCCACTGAGGTCCAGGGCA
 CCCGCTGCAGCAACAAAGGAGCGGGAAGGTTGNATCCAGCTTGGCTCAAGGGCGGGGGC
 TGGACTGGGGACCAAGGGACAAAGGAGGAAGGCAAGGTCTGGGTGAGGGCAGGGATGGGG
 GCTAAAGGGGGTTCCTGAGGCGTGCCAGGCTCTGGCCCGGCAACAGGGGTGAGGCAG
 GGGCTCACCTCCTCTGGGCTGGGCAATGCGGCGTGCAAAGCGGCTGCAATCCCAGCA
 AGCTGCTCCCAGGGGCCCTGGCGGGCGGCTGGGCCGGCCCTGCCAAACAGCCAGGAAA
 TGGACAGGGACCTTCTCGAAAACCGCACCTTTCTGGCCCTTAGGGGAGTCTCAGGGCCC
 CGATCATGATTAGGGTTACTGGGCCCTTGACCCGCTTTGCCCGGAGGGGCCCCCTCC
 CAGGACCCCGGGATGGGGTGGCTTTTTCTCAGGCCCATAAAGGGCACTCCGAAGGGGG
 AGGGGTTTATCCTCCCCCCCCCTCTAAGCCACGCTTCCGCCCTGTCTGCTTTCGCCCG
 CCCGGCCCCGCCCCCCCTAATTGGCCCCCTCTCCCCCCCCCGCCAGGCGATCCGC
 GACCTCTCATTATTCTCTATTCTCCACCGCCGCGTCCGCGTTTTGCTCCTCCGTCCC
 CATTCCCCACCGTGTCTCTGTATCTCTATACTCGCCCCAAACACTATATNTAGCTA
 TATATCTTCTGTCCGCCGCCGACCAACCTCTTCTATTATAAGTCTGCAGCACCCCT
 CTCGCCACCACATATTCACATAATAT

Restriction Sites:

NotI-NotI

ACCN:

NM_014330

Insert Size:

2500 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_014330.2 , NP_055145.2
RefSeq Size:	2349 bp
RefSeq ORF:	2025 bp
Locus ID:	23645
UniProt ID:	O75807
Cytogenetics:	19q13.33
Protein Families:	Druggable Genome
Gene Summary:	This gene is a member of a group of genes whose transcript levels are increased following stressful growth arrest conditions and treatment with DNA-damaging agents. The induction of this gene by ionizing radiation occurs in certain cell lines regardless of p53 status, and its protein response is correlated with apoptosis following ionizing radiation. [provided by RefSeq, Jul 2008]