

## Product datasheet for **SC329553**

### GADD45A (NM\_001199742) Human Untagged Clone

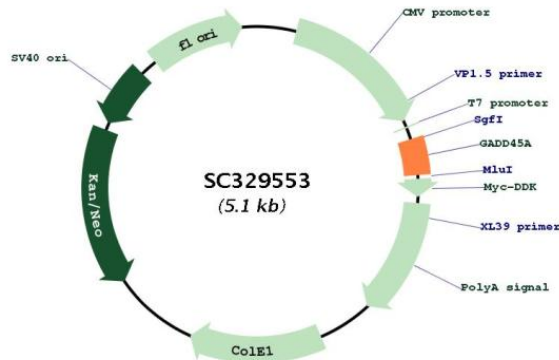
#### Product data:

Product Type: Expression Plasmids  
 Product Name: GADD45A (NM\_001199742) Human Untagged Clone  
 Tag: Tag Free  
 Symbol: GADD45A  
 Synonyms: DDIT1; GADD45  
 Vector: pCMV6-Entry (PS100001)  
 Fully Sequenced ORF: >SC329553 representing NM\_001199742.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGACTTTGGAGGAATTCTCGGCTGGAGAGCAGAAGACCGAAAGGATGGATAAGGTGGGGGATGCCTG  
 GAGGAAGTGCTCAGCAAAGCCCTGAGTCAGCGCACGATCACTGTCCGGGTGTACGAAGCGCCAAGCTG  
 CTCAACGTAATCCACATTCATCTCAATGGAAGGATCCTGCCTTAA

Restriction Sites: SgfI-MluI

#### Plasmid Map:



ACCN: NM\_001199742  
 Insert Size: 183 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001199742.1</a>
<b>RefSeq Size:</b>	1160 bp
<b>RefSeq ORF:</b>	183 bp
<b>Locus ID:</b>	1647
<b>UniProt ID:</b>	<a href="#">P24522</a>
<b>Cytogenetics:</b>	1p31.3
<b>Protein Families:</b>	Druggable Genome, Stem cell - Pluripotency
<b>Protein Pathways:</b>	Cell cycle, MAPK signaling pathway, p53 signaling pathway
<b>MW:</b>	6.7 kDa
<b>Gene Summary:</b>	<p>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 protein encoded by this gene responds to environmental stresses by mediating activation of the p38/JNK pathway via MTK1/MEKK4 kinase. The DNA damage-induced transcription of this gene is mediated by both p53-dependent and -independent mechanisms. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.[provided by RefSeq, Dec 2010]</p> <p>Transcript Variant: This variant (3) lacks a coding exon, as compared to variant 1. The resulting isoform (3) has a shorter and distinct C-terminus, as compared to isoform 1.</p>