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Product datasheet for RC204005L1V

GADD45A (NM_001924) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	GADD45A (NM_001924) Human Tagged ORF Clone Lentiviral Particle
Symbol:	GADD45A
Synonyms:	DDIT1; GADD45
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_001924
ORF Size:	495 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC204005).`
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.
RefSeq:	NM_001924.2
RefSeq Size:	1398 bp
RefSeq ORF:	498 bp
Locus ID:	1647
UniProt ID:	P24522
Cytogenetics:	1p31.3
Domains:	Ribosomal_L7Ae
Protein Families:	Druggable Genome, Stem cell - Pluripotency

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Protein Pathways: Cell cycle, MAPK signaling pathway, p53 signaling pathway

MW: 18.3 kDa

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 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]