

Product datasheet for RC201364L4

GADD45G (NM_006705) Human Tagged Lenti ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GADD45G (NM_006705) Human Tagged Lenti ORF Clone
Tag:	mGFP
Symbol:	GADD45G
Synonyms:	CR6; DDIT2; GADD45gamma; GRP17
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC201364).
Restriction Sites:	SgfI-MluI
Cloning Scheme:	

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF.

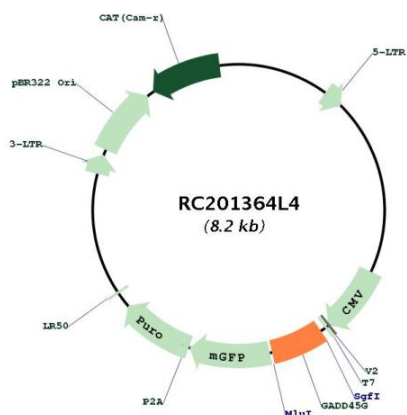
ACCN:	NM_006705
ORF Size:	477 bp



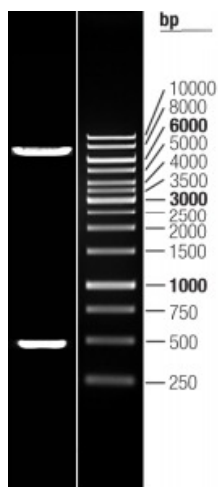
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OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), 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:	<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_006705.2
RefSeq Size:	1087 bp
RefSeq ORF:	480 bp
Locus ID:	10912
UniProt ID:	O95257
Cytogenetics:	9q22.2
Domains:	Ribosomal_L7Ae
Protein Pathways:	Cell cycle, MAPK signaling pathway, p53 signaling pathway
MW:	17.1 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 GADD45G is highly expressed in placenta. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC201364L4



Double digestion of RC201364L4 using SgfI and MluI