

Product datasheet for **MG207990**

Gdap2 (NM_010269) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gdap2 (NM_010269) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gdap2
Synonyms:	C77050; D3Ertd801e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207990 representing NM_010269
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGGATCCCTTGGGTGCACCTTCCAGTTTGTGGATGTGGATACCCTGCTAAGCTGGGGCGACTCGTACG
 AAGATGAAGTAGACTGCGCTGACAGTACTGCCGAGGCCTTCCAGGAAGACGCCAGCAGATCACCTTTTGT
 TTATAGTCGGGACGTCAATGGAAGAGTGGTTCTTTGGAAGGAGATGTGGCATTACTGAAGTGCACAGCC
 ATTGTGAATACCAGCAATGAAAGCCTCACAGATAAGAACCCTGTGTGAGAGAGCATCTTCATGCTTGCGG
 GGCCAGATTTGAAGGAGGACCTTCAGAACTCAAAGGTTGCCGAAGTGGTGAAGCAAAATTGACGAAAGG
 CTTTAACCTAGCTGCTCGGTTCACTTACACAGTGGGACCTAAGTACAAGAGCCGCTACCGCACTGCA
 GCGGAGAGTTCCTGTACAGCTGTACAGAAACGTGCTTCAGCTGGCAAAAGAACAGTCCATGTCTTCTG
 TTGGCTTCTGTGTATCAATTCTGCCAAGCGAGGTTATCCACTAGAAGATGCAACACACATCGCTCTTCTG
 TACTGTGAGGCGGTTCTAGAGATCCATGGGAAAACATTGAAAAAGTAGTATTTGCTGTCTCAGAACTC
 GAAGAGGCCACTTACCAAAGCTGCTACCTCTGTACTTCCCAAGGTCATTAAAGGAGGAGATCCGGTCAT
 TGCCGTACCTACCTGCAGACATTGGAATGCAGAAGGGGAGCCCGTGGTGCCCGAGCGGCAAAATTAGAAT
 CAGTGAGAAACCCGGTGCCTCGGAGGACAATGAAGAGGAAGATGAGGATGAAGGCTTGGGAGTGGATCTG
 TCTTTTATTGGCTCTCATGCTTTTGTCTGGATGGAAGGAGATATTGACAAGCAAGAAAGTTGATCCTCC
 AGGGACAGTTGTCTGAAGCCGCCCTGCAGAAGCAGCATCAAAGAAATTATAATCGCTGGTTATGCCAAGC
 AAGATCTGAAGACCTGTCTGATATTGCTTCTCTGAAAGCTTTATACCAACAGGGGTAGATAACTGTGGC
 CGCACAGTGATGGTGGTAGTTGGAAGAAACATTCTGTGACACTGATAGATATGGACAAGGCCCTCTTGT
 ATTTTATCCATGTAATGGATCACATTGCTGTGAAGGAGTATGTGCTGGTGTATTTCCACACACTGACCAG
 CGACTACAATCACCTGGACTCCGACTTCTGAAAGAACTCTACGATGTGGTTGACATCAAATACAAGAGG
 AATTTGAAGGCTGTTTATTTCTGTTCAACATTCCGTTCAAAGGTCTCAACATGGTTTTTTACCACCT
 TTTCTGTCTCAGGACTGAAGGACAAGATCCACCACGTAGACAGCCTGCAGCAGCTCTTCTCTGCCATATC
 ACCAGAGCAGATAGACTTTCCTCCTTTTGTCTTGAATATGACGCGAGGGAAAATGGGCCTTATTTTGCA
 TCTTATCTCCATCACCAGATTG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG207990 representing NM_010269
 Red=Cloning site Green=Tags(s)

MDPLGAPSQFVDVDTLLSWGDSYEDEVDCADSTAEAFQEDASRSPFVYSRDVNGKVVLWKGDVALLNCTA
 IVNTSNESLTDKNPVSEIFMLAGPDLKEDLQKLKGCRTEAKLTKGFNLAARFIIHTVGPKYSRYRTA
 AESSLYSCYRNVLQLAKEQSMSSVGFVINSAGRGYPLEDATHIALRTVRRFLEIHGENIEKVVFVAVSEL
 EEATYQKLLPLYFPRSLKEEIRSLPYLPADIGNAEGEPVPERQIRISEKPGASEDNEEEDDEGLGVDL
 SFIGSHAFARMEGDIDKQRKLIQGGQLSEAAQKQHQRYNRWLQARSEDLSDIASLKALYQTVGDNCG
 RTVMVVVGRNIPVTLIDMDKALLYFIHVMHIAVKEYVLVYFHTLTSDYNHLDSDFLKKLYDVVDIKYKR
 NLKAVYFVHPTFRSKVSTWFFTTFSVSLGKDKIHVDSLQQLFSAISPEQIDFPFVLEYDARENGPYFA
 SYPPSPDL

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

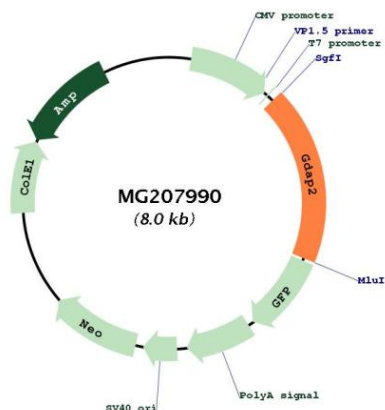
Cloning Scheme:


ACCN:	NM_010269
ORF Size:	1494 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_010269.3
RefSeq Size:	2872 bp
RefSeq ORF:	1497 bp
Locus ID:	14547

UniProt ID: Q9DBL2

Cytogenetics: 3 F2.2

Product images:



Circular map for MG207990