

Product datasheet for **MR207990**

Gdap2 (NM_010269) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gdap2 (NM_010269) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gdap2
Synonyms:	C77050; D3Ertd801e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207990 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGATCCCTTGGGTGCACCTTCCAGTTTGTGGATGTGGATACCCTGCTAAGCTGGGGCGACTCGTACG
 AAGATGAAGTAGACTGCGCTGACAGTACTGCCGAGGCCTTCCAGGAAGACGCCAGCAGATCACCTTTTGT
 TTATAGTCGGGACGTC AATGAAAAGTGGTTCTTTGAAAAGGAGATGTGGCATTACTGAAGTGCACAGCC
 ATTGTGAATACCAGCAATGAAAGCCTCACAGATAAGAACCCTGTGTGAGAGAGCATCTTCATGCTTGCGG
 GGCCAGATTTGAAGGAGGACCTTCAGAACTCAAAGGTTGCCAACTGGTGAAGCAAAATTGACGAAAGG
 CTTTAACTAGCTGCTCGGTTCACTTACACAGTGGGACCTAAGTACAAGAGCCGCTACCGCACTGCA
 GCGGAGAGTTCCTGTACAGCTGTACAGAAACGTGCTTACAGTGGCAAAGAACAGTCCATGTCTTCTG
 TTGGCTTCTGTGCATCAATTCTGCCAAGCGAGGTTATCCACTAGAAGATGCAACACACATCGCTCTTCG
 TACTGTGAGGCGGTTCTAGAGATCCATGGGGAAAACATTGAAAAGTAGTATTTGCTGTCTCAGAACTC
 GAAGAGGCCACTACCAAAGCTGCTACCTCTGTACTTCCAAGGTCATTAAGGAGGAGATCCGGTCAT
 TGCCGTACCTACCTGCAGACATTGGAAATGCAGAAGGGGAGCCCGTGGTCCCGAGCGGCAAAATAGAAT
 CAGTGAGAAACCCGGTGCCTCGGAGGACAATGAAGAGGAAGATGAGGATGAAGGCTTGGGAGTGGATCTG
 TCTTTTATTGGCTCTCATGCTTTTGTCTCGGATGGAAGGAGATATTGACAAGCAAAGAAAGTTGATCCTCC
 AGGGACAGTTGTCTGAAGCCGCCCTGCAGAAGCAGCATCAAAGAAATTATAATCGCTGGTTATGCCAAGC
 AAGATCTGAAGACCTGTCTGATATTGCTTCTCTGAAAGCTTTATACCAAACAGGGGTAGATAACTGTGGC
 CGCACAGTGTGGTGGTAGTTGGAAGAAACATTCCTGTGACACTGATAGATATGGACAAGGCCCTTGTG
 ATTTTATCCATGTAATGGATCACATTGCTGTGAGGAGTATGTGCTGGTATTTCCACACTGACCCAG
 CGACTACAATCACCTGGACTCCGACTTCCGAAAGAACTCTACGATGTGGTTGACATCAAATACAAGAGG
 AATTTGAAGGCTGTTTATTTTCGTTTCCATCCAACATTCCGTTCAAAGGCTCAACATGGTTTTTACCACCT
 TTTCTGTCTCAGGACTGAAGGACAAGATCCACCACGTAGACAGCCTGCAGCAGCTTCTCTGCCATATC
 ACCAGAGCAGATAGACTTTCCTCTTTTGTCTTGAATATGACGCGAGGGAAAATGGGCCTATTTTGA
 TCTTATCCTCCATCACCAGATTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207990 protein sequence
 Red=Cloning site Green=Tags(s)

MDPLGAPSQFVDVDTLLSWGDSYEDEVDCADSTAEAFQEDASRSPFVYSRDVNGKVVLWKGDVALLNCTA
 IVNTSNESLTDKNPVSEIFMLAGPDLKEDLQKLGCRTEAKLTKGFNLAARFIIHTVGPYKYSRYRTA
 AESSLYSCYRNVLQLAKEQSMSSVGFVINSKRGYPLEDATHIALRTVRRFLEIHGENIEKVVFVAVSEL
 EEATYQKLLPLYFPRSLKEEIRSLPYLPADIGNAEGEPVPPERQIRISEKPGASEDNEEEDDEGLGVDL
 SFIGSHAFARMEGDIDKQRKLIHQQLSEALQKQHQRNYNRWLCQARSEDLSDIASLKALYQTVGVDNCG
 RTVMVVGRNIPVTLIDMDKALLYFIHVMHIAVKEYVLYVFTLTSDYNHLDSDFLKKLYDVEDIKYKR
 NLKAVYFVHPTFRSKVSTWFFTTFSVGLKDKIHHVDSLQQLFSAISPEQIDFPFVLEYDARENGPYFA
 SYPPSPDL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_010269

ORF Size: 1497 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.

RefSeq: [NM_010269.3](#)

RefSeq Size: 2934 bp

RefSeq ORF: 1497 bp

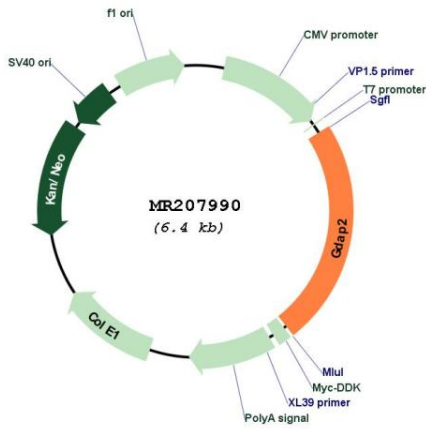
Locus ID: 14547

UniProt ID: [Q9DBL2](#)

Cytogenetics: 3 F2.2

MW: 56.3 kDa

Product images:



Circular map for MR207990