

Product datasheet for **RG224299**

GDAP2 (NM_017686) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GDAP2 (NM_017686) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GDAP2
Synonyms:	MACROD3; SCAR27
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG224299 representing NM_017686
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGATCCCTTAGGTGCACCTTCCAGTTTGTGGATGTGGATACACTACCAAGCTGGGGTACTCATGCC
 AAGATGAATTAATTCCTCTGATACTACAGCTGAAATATTTAGGAAGACACTGTTTCGATCACCTTTCT
 TTATAATAAGGACGTCATGGAAGTGGTTCTTTGAAAGGAGATGTGGCATTACTGAAGTGTACAGCC
 ATTGTGAATACCAGCAATGAAAGTCTCACAGATAAGAATCCTGTGTGAGAAAGTATCTTCATGCTTGCAG
 GGCCTGATTTGAAGGAAGATCTCCAGAACTTAAAGGGTGCCGAACAGGTGAAGCAAAATTGACAAAAGG
 ATTCAATCTAGCTGCCCGGTTTCATTCACACAGTGGGACCTAAATATAAAGCCGCTATCGCACAGCA
 GCTGAGAGTTCCCTTTATAGCTGTACAGAAACGTAATCACTAGCAAAAGAGCAGTCAATGTCTTCTG
 TTGGCTTCTGTGCATCAATTCTGCAAAACGTGGTTATCCTTTAGAGGATGCAACACACATAGCACTTCG
 CACTGTAAGAAGATTCTAGAGATTTCATGGGAAACATTGAAAAAGTAGTATTTGCTGTCTCTGATCTT
 GAAGAGGGTACTTACCAAAAGCTGCTACCTCTCTACTTCCCAAGGTCATTAAGAGAGGAGAATCGATCAT
 TGCCCTACCTACCTGCAGATATTGGAATGCAGAAGGGGAGCCTGTGGTACCTGAACGACAGATTAGAAT
 AAGTGAGAAACCTGGTGCTCCAGAAGATAACCAAGAAGAGGAGGATGAAGGCTTGGGAGTTGATCTCTCT
 TTCATTGGCTCTCATGCTTTTGCTCGAATGGAAGGAGATATTGACAAGCAAGAAAGAACTGATCCTTCAGG
 GACAATTATCAGAGGCAGCTCTGCAGAAGCAGCATCAAAGAAATTATAATCGCTGGTTATGTCAAGCAAG
 ATCTGAGGATCTGTCTGATATTGCTTCTCTAAAAGCCTTATACCAACAGGTGTTGATAACTGTGGTTCGG
 ACAGTGATGGTGGTAGTTGGAAGAAACATTCTGTAAACATTAATAGATATGGACAAGGCTCTCTTATATT
 TCATTATGTAATGGATCACATTGCTGTGAAGGAGTATGTATTAGTGTATTTTACACCCGTGACCAAGCA
 ATACAATCACCTGGACTCCGACTTCTGGAAGAACTCTACGATGTTGTTGATGTCAAGTACAAGAGGAAT
 TTGAAGGCTGTTTATTTGTACATCCACATTTCTGTTCAAAGGTGTCAACATGGTTTTTACCACCTTTT
 CTGTCTCAGGACTGAAGGACAAATCCACCATGTGGACAGCCTCCACCAGCTGTTTTCTGCCATATCACC
 AGAACAGATTGACTTTCCTCTTTGTCCTTGAATATGATGCCAGGGAAAACGGGCCTTACTATACATCA
 TATCCCCATCACCAGATTG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

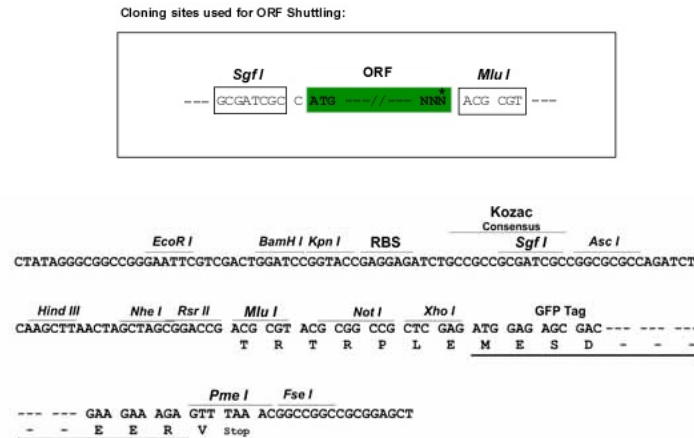
>RG224299 representing NM_017686
 Red=Cloning site Green=Tags(s)

MDPLGAPSQFVDVDTLPSWGDSCQDELNSSDTTAEIFQEDTVRSPFLYNKDVNGKVVLWKGDVALLNCTA
 IVNTSNESLTDKNPVSEIFMLAGPDLKEDLQKLKGCRTGEAKLTKGFNLAARFIIHTVGPKYSRYRTA
 AESSLYSCYRNVLQLAKEQSMSSVGFVINSAGRGYPLEDATHIALRTVRRFLEIHGETIEKVVFVAVSDL
 EEGTYQKLLPLYFPRSLKEENRSLPYLPADIGNAEGEPVPERQIRISEKPGAPEDNQEEDEGLGVDLS
 FIGSHAFARMEGDIDKQRKLILQQLSEAALQKQHQRNYNRWLQARSEDLSDIASLKALYQTVGNDCGR
 TVMVVVGRNIPVTLIDMDKALLYFIHVMHIAVKEYVLVYFHTLTSEYNHLDSDFLKKLYDVVDVKYKRN
 LKAVYFVHPTFRSKVSTWFFTTFSVSLKDKIHVDSLHLQFSAISPEQIDFPFVLEYDARENGPYYTS
 YPPSPDL

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_017686

ORF Size: 1491 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_017686.2](#)

RefSeq Size: 2880 bp

RefSeq ORF: 1494 bp

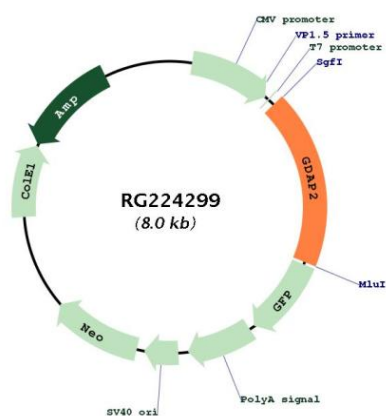
Locus ID: 54834

UniProt ID: [Q9NXN4](#)

Cytogenetics: 1p12

Domains: SEC14, A1pp

Product images:



Circular map for RG224299