

Product datasheet for **RC224299**

GDAP2 (NM_017686) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GDAP2 (NM_017686) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GDAP2
Synonyms:	MACROD3; SCAR27
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC224299 representing NM_017686
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATCCCTTAGGTGCACCTTCCAGTTTGTGGATGTGGATACACTACCAAGCTGGGGTACTCATGCC
 AAGATGAATTAATTCCTCTGATACTACAGCTGAAATATTTAGGAAGACTGTTCGATCACCTTTCT
 TTATAATAAGGACGCAATGAAAAGTGGTTCTTTGAAAAGGAGATGTGGCATTACTGAAGTGTACAGCC
 ATTGTGAATACCAGCAATGAAAGTCTCACAGATAAGAATCCTGTGTGAGAAAGTATCTTCATGCTTGCAG
 GGCCTGATTTGAAGGAAGATCTCCAGAACTTAAAGGGTCCGAACAGGTGAAGCAAAATGACAAAAGG
 ATCAATCTAGCTGCCCGTTTCATCTCACACAGTGGGACCTAAATATAAAGCCGCTATCGCACAGCA
 GCTGAGAGTTCCCTTTATAGCTGTACAGAAACGTAATCAACTAGCAAAAGAGCAGTCAATGTCTTCTG
 TTGGCTTCTGTGCATCAATTCTGCAAAACGTGGTTATCCTTTAGAGGATGCAACACACATAGCACTTCG
 CACTGTAAGAAGATTCTAGAGATTCTAGGGAAACCATTGAAAAGTAGTATTTGCTGTCTCTGATCTT
 GAAGAGGGTACTTACAAAAGCTGCTACCTCTCTACTTCCAAGGTCATTAAGAGGAGAGATCGATCAT
 TGCCCTACCTACCTGCAGATATTGAAAATGCAGAAGGGGAGCCTGTGGTACCTGAACGACAGATTAGAAT
 AAGTGAGAAAACCTGGTGTCCAGAAGATAACCAAGAAGAGGAGGATGAAGGCTTGGGAGTTGATCTCTCT
 TTCATTGGCTCTCATGCTTTTGTCTCGAATGGAAGGAGATATTGACAAGCAAAAGAAAATGATCCTTCAGG
 GACAATTATCAGAGGCAGCTCTGCAGAAGCAGCATCAAAGAAATATAATCGCTGGTTATGTCAAGCAAG
 ATCTGAGGATCTGTCTGATATTGCTTCTCTAAAAGCCTTATACCAACAGGTGTTGATACTGTGGTCCG
 ACAGTGAATGGTGGTAGTTGGAAGAAACATTCTGTAAACATTAATAGATATGGACAAGGCTCTCTTATATT
 TCATTGATGTAATGGATCACATTGCTGTGAAGGAGTATGTATTAGTGTATTTTACACCCCTGACCAGCA
 ATACAATCACCTGGACTCCGACTTCTGAAGAACTCTACGATGTTGTTGATGTCAAGTACAAGAGGAAT
 TTGAAGGCTGTTTATTTGTACATCCCACATTTCTGTTCAAAGGTGTCAACATGGTTTTTTACCACCTTTT
 CTGTCTCAGGACTGAAGGACAAAATCCACCATGTGGACAGCCTCCACCAGCTGTTTTCTGCCATATCACC
 AGAACAGATTGACTTTCTCTTTTGTCTTGAATATGATGCCAGGGAAAACGGGCCTTACTATACATCA
 TATCCCCATCACCAGATTTG

**ACGGTACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA**

Protein Sequence:

>RC224299 representing NM_017686
 Red=Cloning site Green=Tags(s)

MDPLGAPSQFVDVDTLPSWGDSCQDELNSDTTAEIFQEDTVRSPFLYNKDVNGKVVLLWKGDVALLNCTA
 IVNTSNESLTDKNPVSESI FMLAGPDLKEDLQKLGCRTEAKLTKGFNLAARFIIHTVGPYKYSRYRTA
 AESSLYSCYRNVLQLAKEQSMSSVGFVINSKRGYPLEDATHIALRTVRRFLEIHGETIEKVVFVAVSDL
 EEGTYQKLLPLYFPRSLKEENRSLPYLPADIGNAEGEPVPERQIRISEKPGAPEDNQEEDEGLGVDLS
 FIGSHAFARMEGDIDKQRKILQGLSEALQKQHQRNYNRWLCQARSEDLSDIASLKALYQTVGVDNCGR
 TVMVVVGRNIPVTLIDMDKALLYFIHVMDHIAVKEYVLYVYFHTLTSEYNHLDSDFLKKLYDVVVDVYKRN
 LKAVYFVHPTFRSKVSTWFFTFVSVGLKDKIHVDSLHLQFSAISPEQIDFPFVLEYDARENGPYPTS
 YPPSPDL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6487_a09.zip

Restriction Sites:

Sgfl-Mlul

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

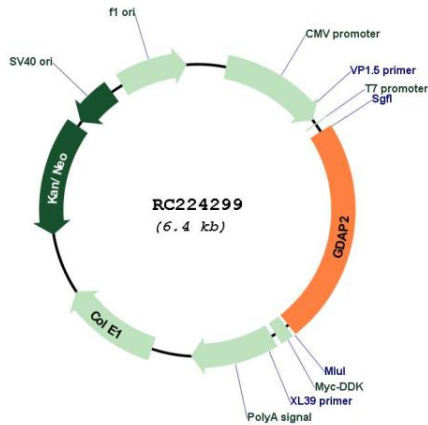
UniProt ID: [Q9NXN4](#)

Cytogenetics: 1p12

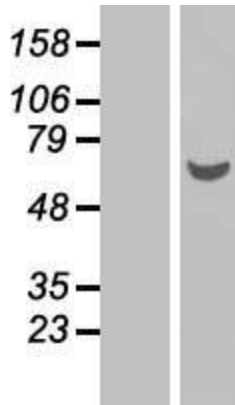
Domains: SEC14, A1pp

MW: 56 kDa

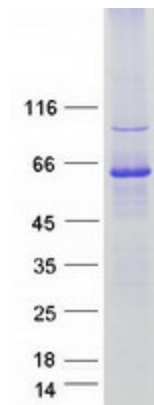
Product images:



Circular map for RC224299



Western blot validation of overexpression lysate (Cat# [LY413601]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC224299 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified GDAP2 protein (Cat# [TP324299]). The protein was produced from HEK293T cells transfected with GDAP2 cDNA clone (Cat# RC224299) using MegaTran 2.0 (Cat# [TT210002]).