

Product datasheet for **MR204871**

Gde1 (NM_019580) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gde1 (NM_019580) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gde1
Synonyms:	1200003M13Rik; Mir16; RGS16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204871 representing NM_019580 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGGCTGTGGGAGGACCAGGGCGGCCTCTGGGCCCTTCTCCTTCGTGCTGGTGTCTGCTGGTGG
TGACACGCAGCCCTTCAACGCCTGCGTGCTCACCGGCAGCCTCTACATCCTGCTGCGGTTCTTCAGCTT
CGAGCCGGTGCCGTCCC GCCGGGCCCTGCAGGTGCTCAAGCCCCGTGACCGCGTGTCCGCCATCGCCCAT
CGCGGCCGAGCCACGACGCGCCCGAGAACACGCTGGCGGCCATCCGGCAGGCAGCTAAGAATGGAGCAA
CAGGTGTGGAGCTGGACATCGAGTTTACTTCTGATGGAGTTCCTGTCTTGATGCACGATAACACAGTAGA
TAGGACAACAGACGGGTCTGGCCGACTATGTGATCTGACATTTGAACAAGTTAGGAACTTAACCCCTGCA
GCAAAATCACAGACTCAGAAACGAGTTCCCTGATGAAAGGATCCCTACCCTGAAGGAAGCTGTACAGAGT
GCCTCCGCCATAACCTCACCATCTTCTTTGATGTCAAAGGCCATGCAGATATGGCTTCTGCTGCTCTAAA
GAATATATACACGGAATTTCCACAGCTGTACAATAACAGTATGGTCTGCTCATTCTTGCCGGAAGTCATC
TATAAAATGAGACAAACGGATCAGAAGTAATCACAGCCCTAACTCACAGGCCTTGGAGCCTGAGCCACA
CTGGAGATGGGAAGCCTCGCTACAGCGTCTTTTGAAGCAGTCTGTGTTTGTGGTGTGGACATCTTGCT
GGACTGGAGCATGCACAATGTCTTGTGGTACCTGTGTGGGATTCAGCCTTCTCATGCAGAAGGATTTT
GTCTCCCGGACTATTTGAAGAAGTGGTCAGCTAAAGGAATCCAGGTTGTGAGTTGGACTGTCAATACCT
TTGATGAAAAGAATTACTACGAGTCCCACCTTGGGTCCAGCTACATCACTGACAGCATGCTAGAAGACTG
TGACCTCACTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204871 representing NM_019580
Red=Cloning site Green=Tags(s)

MWLWEDQGGLLGPFSFVLVLLL VVTRSPFNACVL TGSLYILLRFFSFEPVPSRRALQVLKPRDRVSAIAH
 RGGSHDAPENTLAAIRQAAKNGATGVELDIEFTSDGVPVLMHDNTVDRTTDGSGRLCDLTFEQVRKLNPA
 ANHRLRNEFPDERIPTLKEAVTECLRHNLTIFFDVKGHADMASAALKNIYTEFPQLYNNMSMVCFLPEVI
 YKMRQTDQKVITALTHRPWSLSHTGDGKPRYSVFWKQSVFVVL DILLDWSMHNVLWYLCGISAFLMQKDF
 VSPDYLLKKWSAKGIQVVSWTVNTFDEKNYYESHLGSSYITDSMLEDCAPHF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9026_g12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_019580

ORF Size: 993 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_019580.4](#), [NP_062526.1](#)

RefSeq Size: 1529 bp

RefSeq ORF: 996 bp

Locus ID: 56209

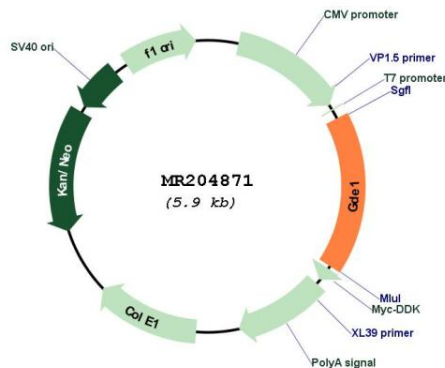
UniProt ID: [Q9JL56](#)

Cytogenetics: 7 F2

MW: 38.1 kDa

Gene Summary: Has glycerophosphoinositol phosphodiesterase activity. Hydrolyzes lysoglycerophospholipids to produce lysophosphatidic acid (LPA) and the corresponding amines (PubMed:25596343). Has little or no activity towards glycerophosphocholine. GDE1 activity can be modulated by G-protein signaling pathways (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR204871