

Product datasheet for **MG204871**

Gde1 (NM_019580) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gde1 (NM_019580) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gde1
Synonyms:	1200003M13Rik; Mir16; RGS16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204871 representing NM_019580 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGGCTGTGGGAGGACCAGGGCGGCCTCTGGGCCCTTCTCCTTCGTGCTGGTGTCTGCTGGTGG
TGACACGCAGCCCTTCAACGCCTGCGTGCTCACCGGCAGCCTCTACATCCTGCTGCGGTTCTTCAGCTT
CGAGCCGGTGCCGTCCC GCCGGGCCCTGCAGGTGCTCAAGCCCCGTGACCGCGTGTCCGCCATCGCCCAT
CGCGGCCGAGCCACGACGCGCCCGAGAACACGCTGGCGGCCATCCGGCAGGCAGCTAAGAATGGAGCAA
CAGGTGTGGAGCTGGACATCGAGTTTACTTCTGATGGAGTTCCTGTCTTGATGCACGATAACACAGTAGA
TAGGACAACAGACGGGTCTGGCCGACTATGTGATCTGACATTTGAACAAGTTAGGAACTTAACCCTGCA
GCAATACAGACTCAGAAACGAGTTCCCTGATGAAAGGATCCCTACCCTGAAGGAAGCTGTCACAGAGT
GCCTCCGCCATAACCTCACCATCTTCTTTGATGTCAAAGGCCATGCAGATATGGCTTCTGCTGCTATAA
GAATATATACACGGAATTTCCACAGCTGTACAATAACAGTATGGTCTGCTCATTCTTGCCGGAAGTCATC
TATAAATGAGACAAACGGATCAGAAAGTAATCACAGCCCTAACTCACAGGCCTTGGAGCCTGAGCCACA
CTGGAGATGGGAAGCCTCGCTACAGCGTCTTTTGAAGCAGTCTGTGTTTGGTGTGGACATCTTGCT
GGACTGGAGCATGCACAATGTCTTGTGGTACCTGTGTGGGATTCAGCCTTCTCATGCAGAAGGATTTT
GTCTCCCCGACTATTTGAAGAAGTGGTCAGCTAAAGGAATCCAGGTTGTGAGTTGGACTGTCAATACCT
TTGATGAAAAGAATTACTACGAGTCCCACCTTGGGTCCAGCTACATCACTGACAGCATGCTAGAAGACTG
TGACCTCACTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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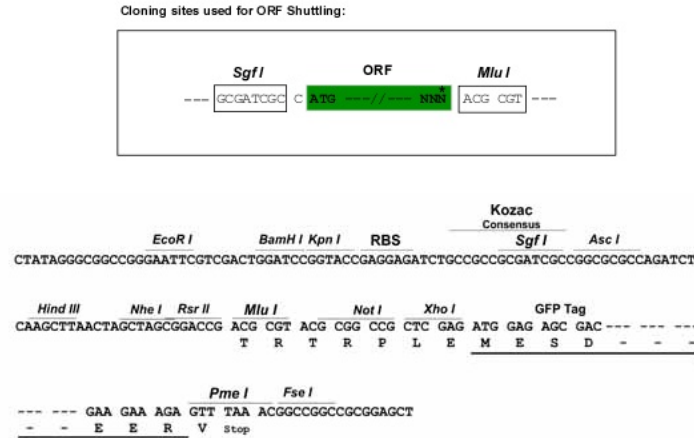
Protein Sequence: >MG204871 representing NM_019580
 Red=Cloning site Green=Tags(s)

MWLWEDQGGLLGPFSFVLVLLLVTTRSPFNACVLTGSLYILLRFFSFEPVPSRRALQVLKPRDRVSAIAH
 RGGSHDAPENTLAAIRQAAKNGATGVELDIEFTSDGVPVLMHDNTVDRTTDGSGRLCDLTFEQVRKLNPA
 ANHRLRNEFPDERIPTLKEAVTECLRHNLTIFFDVKGHADMASAALKNIYTEFPQLYNNSMVCSFLPEVI
 YKMRQTDQKVITALTHRPSLSHTGDGKPRYSVFWKQSVFVLLDILLDWSMHNVLWYLCGISAFLMQKDF
 VSPDYLLKWSAKGIQVVSWTVNTFDEKNYYESHLGSSYITDSMLEDCAPHF

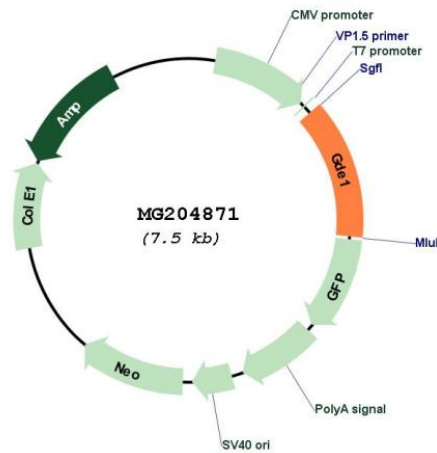
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_019580

ORF Size: 1526 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:	<ol style="list-style-type: none">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:	1530 bp
RefSeq ORF:	996 bp
Locus ID:	56209
UniProt ID:	Q9JL56
Cytogenetics:	7 F2
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]