

Product datasheet for **MG207101**

Gdi2 (NM_008112) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gdi2 (NM_008112) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gdi2
Synonyms:	GDI-B; Gdi3; GDIB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG207101 representing NM_008112
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAATGAGGAATACGACGTGATCGTGCTGGGCACCGCCCTGACGGAATGTATCCTGTCCGGGATATGT
 CAGTGAATGGGAAGAAGTTCTTCATATGGATCAGAACCATACTATGGAGGAGAAAAGTGGTCTATAAC
 ACCGCTGGAAGATTTATACAAAAGTTTAAATTACCAGGACAACCGCCAGCATCAATGGGAAGGAAGA
 GACTGGAATGTTGACTTAATCCCAAGTTCCTTATGGCCAATGGTCAGTTGGTGAAGATGCTGCTTTTCA
 CAGAGGTCACGTTACATGGACTTCAAAGTGATTGAGGGAAGCTTTGTCTACAAGGGAGGGAAAACTCA
 CAAGGTTCCCTCCACTGAAGCAGAAGCCCTGGCATCTAGCTTAATGGGACTGTTTGAGAAAACGCCGTTTC
 AGGAAGTTCCTGGTTTATGTTGCCAACTTTGATGAAAAAGATCCTAGAACTTTGAGGGTGTGATCCTA
 AGAAGACCTCCATGAGAGATGTGTATAAGAAGTTTGATTTGGCCAAGATGTTATAGACTTTACTGGCCA
 TTCTCTTGCACTGTACAGAACAGATGACTACTTAGATCAGCCGTGTTGTGAAACCATTAATAGAATTA
 CTTTACAGCGAGTCTTTGGCAAGATACGGTAAAAGCCCGTACCTGTATCCGCTTTATGGTCTGGAGAAT
 TGCCGCAAGGATTTGCAAGGTTAAGTGCCATATATGGAGGTACCTACATGTTGAATAAACCAATTGAAGA
 AATCATTGTGCAAAAATGGAAAAGTGTTGGTGTAAAATCCGAAGGAGAGATTGCTCGCTGTAAACAGCTC
 ATCTGTGATCCCAGCTATGTAAAAGATCGGGTTGAAAAGTGGGCCAGGTAATCAGAGTGATCTGTATCC
 TTAGCCACCCTATCAAGAACACCAACGATGCCAACTCCTGCCAGATCATCATTCCACAGAACCAAGTCAA
 CCGCAAGTCAGATATCTATGTTTGCATGATCTCCTTTGCACATAATGTGGCAGCACAGGGCAAGTATATT
 GCCATTGTAAGTACAACCGTGGAGACCAAGGAACCAGAGAAAAGAAATCAGACCGGCTTTGGAGCTTTGG
 AACCAATTGAACAGAAAATTTGGCAGCATCAGTGACCTCTTTGTACCTAAAGATTTGGGAACAGATAGTCA
 GATCTTTCATTTCCCGTGCCTATGATGCTACCACGCACTTTGAGACAACCTGTGATGACATTAAGATATC
 TACAAGAGGATGACAGGATCTGAGTTTGACTTTGAGGAAATGAAGCGCAAGAAGAATGACATTTATGGAG
 AAGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207101 representing NM_008112
 Red=Cloning site Green=Tags(s)

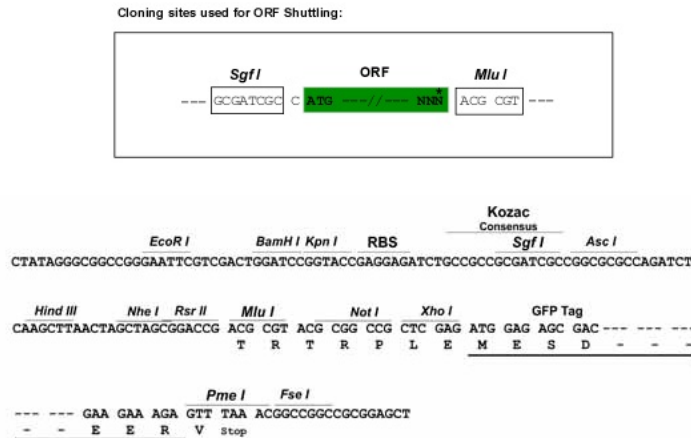
MNEEYDIVLGTGLTECILSGIMSVNGKVLHMDQNPYYGGESASITPLEDLYKRFKLPQPPASMRGR
 DWNVDLIPKFLMANGQLVKMLLFTEVTRYMDFKVIIEGSFVYKGGKIYKVPSTEAEALASSLMGLFEKRRF
 RKFLVYVANFDEKDPRTFEGVDPKKTSMRDVYKFFDLGQDVIDFTGHSLALYRTDDYLDQPC CETINRIK
 LYSESLARYGKSPYLPLYGLGELPQGFARLSAIYGGTYMLNKP IEEIIVQNGKVVGVKSEGEIARCKQL
 ICDP SYVKDRVEKVGQVIRVICILSHPIKNTNDANSCQIIPQNQVNRKSDIYVCMISFAHNVAQAQKGYI
 AIVSTTVETKEPEKEIRPALELLEPIEQKFGSISDLFVPKDLGTD SQIFISRAYDATTHFETT CDDIKDI
 YKRMTGSEFD FEEMKRKNDIYGED

TRTRPLE - GFP Tag - V

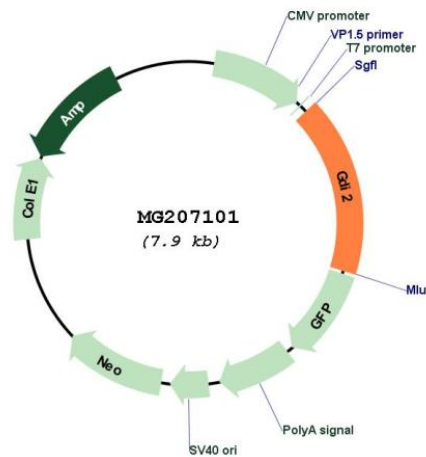
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_008112

ORF Size: 1335 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:	<u>NM_008112.3</u>
RefSeq Size:	2681 bp
RefSeq ORF:	1338 bp
Locus ID:	14569
UniProt ID:	<u>Q61598</u>
Cytogenetics:	13 A1
Gene Summary:	Regulates the GDP/GTP exchange reaction of most Rab proteins by inhibiting the dissociation of GDP from them, and the subsequent binding of GTP to them.[UniProtKB/Swiss-Prot Function]