

Product datasheet for **RN209998**

Gdi1 (NM_017088) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gdi1 (NM_017088) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gdi1
Synonyms:	MGC108721
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN209998 representing NM_017088
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGATGAGGAATACGATGTGATTGTGCTGGGGACAGGTCTTACCGAATGCATCCTGTCTGGCATCATGT
 CTGTGAATGGAAAGAAGGTGTTGCACATGGACCGAAACCCCTACTATGGGGTGAGAGCTCTTCTATCAC
 ACCCCTTGAGGAGCTATATAAGCGCTTTTCAGTTGCTGGAAGGGCCCCCTGAATCAATGGGCCGGGCCGA
 GACTGGAATGTTGACTTGATCCCAAAATTCCTCATGGCCAATGGTCAGCTGGTAAAGATGCTACTGTATA
 CAGAAAGTACTCGTTATCTGGACTTCAAGGTGGTAGAGGGCAGCTTTGTATACAAAGGGGCAAGATCTA
 CAAAGTGCATCTACTGAGACTGAGGCCTTGGCTTCTAATCTGATGGGCATGTTTGAAAAACGACGCTTC
 CGAAAAATTTTGGTGTGTTGGCAAACCTTGTGAGAATGACCCAAAACCTTTGAGGGTGTGACCCGC
 AGACCACCAGCATGCGTGATGTCTACCGGAAGTTTGACCTGGGCCAAGATGTCATTGATTTCACTGGCCA
 TGCCCTGGCGCTCTACCGCACTGATGATTACCTGGATCAGCCATGTCTTGAGACTATTAACCGCATCAAG
 TTGTACAGTGAGTCCCTGGCCCGGTATGGCAAGAGCCCATATTTGTACCCACTCTATGGCCTGGGTGAGC
 TGCCCTCAGGGCTTTGCCAGATTGAGTGCCATCTATGGGGGAACATACATGCTGAACAAACAGTGGATGA
 CATCATCATGGAAATGGCAAGGTGGTGGGTGTAAATCTGAGGGAGAGGTGGCCCGCTGCAAGCAGCTG
 ATCTGTGATCCCAGCTACATCCCAGACCGTGTGCGAAAGGCTGGCCAGGTTATTCGCATCATCTGCATCC
 TCAGCCACCCCATCAAGAATACCAATGATGCCAATTCCTGCCAAATTATCATCCCTCAGAATCAGGTCAA
 CAGGAAGTCAGACATCTATGTGTGATGATCTCCTATGCACACAACGTGGCCGCACAAGGCAAATACATC
 GCCATTGCCAGCACCACCGTAGAGACTGCAGAACAGAAAAGGAGGTTGAGCCTGCATTGGAGCTGTTGG
 AACCTATTGACCAAAAGTTTGTGGCTATCAGTGATTTATAGAGCCATTGATGACGGTTCAGAGAGTCA
 GGTGTTCTGTTCCCTGCTCCTATGATGCTACACACACTTTGAGACAACCTGCAATGACATCAAAGATATC
 TACAAACGCATGGCTGTTCTGCCTTTGATTTTGAGAACATGAAGCGCAAACAGAATGATGTCTTTGGAG
 AAGCCGATCAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_017088

Insert Size: 1344 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_017088.2](#), [NP_058784.2](#)
RefSeq Size: 2346 bp
RefSeq ORF: 1344 bp
Locus ID: 25183
UniProt ID: [P50398](#)
Cytogenetics: Xq37
Gene Summary: regulates Rab GTPase recycling; plays a role in Rab3a GTPase recycling during neurotransmitter release [RGD, Feb 2006]