

Product datasheet for **MC201195**

Gdi1 (NM_010273) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gdi1 (NM_010273) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gdi1
Synonyms:	GDIA; GDlalpha
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC013758 sequence for NM_010273
 GTAGTGGTAGCGCTGCTGTGGTGAAGGAGGAGGAGCAGAGCGGACGCTGGTACCAAGGCCTGATCATGG
 ATGAGGAATACGATGTGATTGTGCTGGGGACAGGTCTTACCGAATGCATCCTGTCTGGCATCATGTCTGT
 GAATGGAAAGAAGGTGCTGCACATGGACCAGAAACCCCTACTATGGGGGTGAGAGCTTCCATCACACCC
 CTGGAGGAGCTATAAAGCGCTTCAGATACTGGAAGGGCCCCCTGAATCAATGGGCCGGGGCCGAGACT
 GGAATGTTGACTTGATCCCCAAATTCCTCATGGCCAATGGTCAGCTGGTAAAGATGCTACTATATACAGA
 AGTGCATCGATATCTGGACTTCAAGGTGGTAGAGGGCAGCTTTGTATATAAGGGGGCAAGATCTACAAA
 GTGCCATCCACCGAGACTGAGGCCTTGGCTTCTAATCTGATGGGCATGTTTGAAAAACGACGCTCCGAA
 AATTTTTGGTGTTTGTGGCAAACCTTTGATGAGAATGACCCAAAAACCTTTGAGGGTGTGATCCCCAGAA
 CACCAGCATGCGTGATGTCTACCGAAGTTTACCTGGGTCAAGATGTCATAGATTTCACTGGCCATGCC
 TTGGCGCTCTACCGCACTGATGACTACCTGGATCAGCCCTGTCTTGAGACTATTAACCGCATCAAGTTGT
 ACAGCGAGTCCCTGGCCCGGTATGGCAAGAGCCCTATTTATACCCACTGTATGGCCTGGGTGAGCTGCC
 CCAGGGCTTTGCCAGATTGAGTGCCATCTATGGGGGAACATACATGCTGAACAAACAGTGGATGACATC
 ATCATGAAAAATGGCAAGGTGGTGGGTGTCAAATCTGAGGGAGAGGTGGCCCGCTGCAAGCAGCTGATCT
 TGATCCCAGTTACATCCAGACCGTGTCAAAAGGCTGGCCAGGTTATTCGCATCATCTGTATCCTCAG
 CCACCCATCAAGAATACCAATGATGCCAATTCCTGCCAAATTATCATCCCTCAGAACAGGTCAACAGG
 AAGTCAGACATCTATGTGTGCATGATCTCTATGCGCACAACTGGCCGCACAGGGCAAATACATCGCCA
 TTGCCAGCACCCTGTAGAGACTGCAGAACAGAAAAGGAAGTTGAGCCTGCATTGGAGCTGTTGGAACC
 CATTGACCAGAAGTTTGTGGCTATCAGTGATTTATAGAGCCATTGATGATGGTTCAGAGAGTCAGGTG
 TTCTGTTCTGCTCCTATGATGTACCACACACTTTGAGACAACCTGCAATGACATCAAAGATATCTACA
 AACGCATGGCTGGTCTGCCTTTGATTTGAGAACATGAAGCGCAAACAGAATGATGTCTTTGGAGAAGC
 TGATCAGTGATTGCTGACTCCCCCTCCAGCCCTGTTCCCCTCTCCCCAACTTGATGTCTTCTCTA
 GGGCAGGGGAGATGGTATGGCTAGGCATCCTTGTTCAGCATCTCTGCTTCCCCTACCACATTCAAA
 TCACCCACCTTATTGATTTTATTCACTGACCATATCCTTAACCTTAGGGATGGTTTGGGAGATGGGAGTT
 GGATAGTATCCTCTTTCTTGGTCTGTCTTGTCTAGGGAAGAGAACTTTGTGTGTGTGTGTGTGTG
 TGTGTGTGTGTGCGCGCGCGCTGCGTGTGTGTACGTGTGTGTACGTACGTGTGTGTGCGTGTGTACA
 TGTGTGTGCATGTGTGTGCATCGTGCACCCCAATTTTGTGTTTGGGAAGGAGTGGAGGAAAAGCTG
 ACCCCACCCCACTGCTCTTAGTCCCAAATGTAGTGGCCTTTGGAGATACCCATCTCTCCCCAACTC
 TTAGGTGTTGGAGAGAAGGGACCCTCCCAGCACAAAATGCATTCCTCTCTCTCTCTCTCTATAA
 TTTATTCTAATTTATTAACCTTTGGAGTAATTGTCTGAGCCCTCAGCCTTTCTGTGCAGCCTAGGGCTGA
 GAGTGAGCTGCCCTGGCCTCTCCAGTGTGGCAAAGCCTGGGATGGGAGAAGATTTAGGTGTACCCCC
 TCTGGAGGTTGATCTGTTTTGAATTTCTTTGTGTGTGTCTACTGAGAAAAAGTAAATGTGAGCAAAGCA
 GAAGGAGGTAGGAAAGTGGATCCAAACCCAGTGTACCCTGCCCATGCCTTTTCCCTTGTGGTGGGAA
 ACCCTTACCTTGCAAAGTGAATGTGCCCTTCCCAAGCTCTAGTATATTTACAGAAAACAAAAACCT
 CCCAATAAACTATTGAACTTAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_010273

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: [BC013758](#), [AAH13758](#)

RefSeq Size: 2348 bp

RefSeq ORF: 1344 bp

Locus ID: 14567

UniProt ID: [P50396](#)

Cytogenetics: X 37.97 cM

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. Promotes the dissociation of GDP-bound Rab proteins from the membrane and inhibits their activation. Promotes the dissociation of RAB1A, RAB3A, RAB5A and RAB10 from membranes.[UniProtKB/Swiss-Prot Function]