

Product datasheet for **MC200058**

Arhgdig (NM_008113) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Arhgdig (NM_008113) Mouse Untagged Clone
Tag: Tag Free
Symbol: Arhgdig
Synonyms: Gdi5; Rho-GDI-3; Rho-GDI2; RIP2
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC002032 sequence for NM_008113
CGGACGCGTGGGCGACCGGGTCCGGCGCGGTGCGGACGAAACGCGCGTCTCTGCGGGCTGCGCGGGGTC
CGCGGAGCGGCTGGGGGCGCGCGCGCGGGCGCGCGCTGGGCGCGGGGGCGCTCCCGCCGGGATGAG
CTCACCGCAGTCGCGCCGGGGCTGAGCCGAGCGGGCGCGCGCTCCGCGCGGGCCGCGGCTACCATGCTG
GGCTGGACGCGTGTGAGCTGGGGGAGCAGCTGTTGGAGCTGCTCCGGCTGGCGCTGTGCCCCGAGTCC
TCTTGGCTGACAAGGATGGGAGTCAACTCCATCAGATGAGGTGCTGGACGAAATTGTACCAGAGTACCA
GGCCCCTGGGAAGAAGAGCATGTGGCAATCTGGCAACTGGACCCCGGGGACGTGAGCTTGGTCAAGTAC
AAGCAGGCGTGTGGACCCCTGCCACCCATTATGGACCCAGCCTGCCAACGTGCAGGTGACTAGGC
TGACTGCTGACGGAGCAGGCTCCAGGGCCTATCATCATGGACCTTACAGGAGACCTAGATGACTGAA
AAACCAGGTGTTGTCTGAAGGAGGGCATTGAATACAAGGTGAAGATCACCTTCAAGGTCAACAAGGAG
ATTGTGAGTGGCCTCAAATGTCTGCATCACACCTATCGTCGGGGACTGCGTGTGGACAAGGCCATCTTCA
TGGTGGGAAGCTACGGCCCCAGAGCCCAGGAGTATGAATTTGTGACTTCAAGTGGAGGAAGCACCAAGAGG
AGCATTGGCAGTGGCCTCTACGTGGTCAAGTCCCTTCACTGATGACGACAGGCTGAACCCACTGTCC
TGGGAGTGGCACCTCCATGTCTGCCAGGACTGGAAGGACTGAACCCCACTTGGGGTCTGTATTCCCAATT
TCTTGTGAGTTGCAGAGACCTGCAAGCATTCCCTAGACCTCCCAGTTGGTGACCAGATGTCCCCACTCT
CTGCTGTGTCCTCCCTGCCTGCTGCTATTAATGTTACCTTGTCTTGCAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_008113

Insert Size: 678 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).



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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>BC002032</u> , <u>AAH02032</u>
RefSeq Size:	1049 bp
RefSeq ORF:	678 bp
Locus ID:	14570
UniProt ID:	<u>Q62160</u>
Cytogenetics:	17 A3.3
Gene Summary:	Inhibits GDP/GTP exchange reaction of RhoB. Interacts specifically with the GDP- and GTP-bound forms of post-translationally processed Rhob and Rhog proteins, both of which show a growth-regulated expression in mammalian cells. Stimulates the release of the GDP-bound but not the GTP-bound RhoB protein. Also inhibits the GDP/GTP exchange of RhoB but shows less ability to inhibit the dissociation of prebound GTP.[UniProtKB/Swiss-Prot Function]