

Product datasheet for **MG202640**

Arhgdig (BC002032) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Arhgdig (BC002032) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Arhgdig |
| Synonyms: | RIP2, Rho-GDI2, Rho-GDI-3 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >MG202640 representing BC002032 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGGGCTGGACGCGTGTGAGCTGGGGAGCAGCTGTTGGAGCTGCTCCGGCTGGCGTGTGCGCC
GAGTCCTCTGGCTGACAAGGATGGGGAGTCACTCCATCAGATGAGGTGCTGGACGAAATTGTACCAGA
GTACCAGGCCCTGGGAAGAAGAGCATGCTGGCAATCTGGCACTGGACCCGGGGACGTGAGCTTGGTC
AAGTACAAGCAGGCGCTGCTGGACCCCTGCCACCCATTATGGACCCAGCCTGCCAACGTGCAGGTGA
CTAGGCTGACACTGCTGACGGAGCAGGCTCCAGGGCCTATCATCATGGACCTTACAGGAGACCTAGATGC
ACTGAAAACCAGGTGTTTGTCTGAAGGAGGGCATTGAATACAAGGTGAAGATCACCTTCAAGGTCAAC
AAGGAGATTGTCAGTGGCCTCAAATGTCTGCATCACACCTATCGTCGGGGACTGCGTGTGGACAAGGCCA
TCTTCATGGTGGGAAGCTACGGCCCCAGAGCCCAGGAGTATGAATTTGTGACTTCAGTGGAGGAAGCACC
AAGAGGAGCATTGGCACGTGGCCTCTACGTGGTCAGGTCCTCTTCACTGATGACGACAGGCTGAACCAC
CTGTCTGGGAGTGGCACCTCCATGTCTGCCAGGACTGGAAGGAC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

| | |
|-------------------------------|---|
| 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: | BC002032 , AAH02032 |
| RefSeq Size: | 1049 bp |
| RefSeq ORF: | 677 bp |
| Locus ID: | 14570 |
| 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] |