

Product datasheet for **MC225720**

Arhgdib (NM_001301309) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Arhgdib (NM_001301309) Mouse Untagged Clone
Tag: Tag Free
Symbol: Arhgdib
Synonyms: D4; Gdid; Gdid4; Ly-G; Ly-GDI
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC225720 representing NM_001301309
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGACCTTACTGGCGATCTCGAGGCCCTCAAAAAGGATACATTTGTGCTAAAGGAAGGCATTGAATACA
GGGTGAAAATTAACCTCAAAGTGAATAAGGATATTGTGCTGGCCTGAAGTATGTTCAACACACATACCG
GACTGGCATGAGAGTGGATAAAGCCACATTCATGGTTGGCAGCTATGGGCCCGACCAGAGGAGTACGAA
TTCTCACTCCAGTAGAGGAAGCTCCCAAGGGCATGCTGGCCCGAGGCATTACCACAACAAGTCTTCT
TCACGGATGACGACAAACAGGACCACCTCACCTGGGAATGGAACCTGGCCATTAAGAAGGATTGGACAGA
ATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001301309

Insert Size: 354 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.



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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>NM_001301309.1</u> , <u>NP_001288238.1</u>
RefSeq Size:	993 bp
RefSeq ORF:	354 bp
Locus ID:	11857
UniProt ID:	<u>Q61599</u>
Cytogenetics:	6 G1
Gene Summary:	<p>The protein encoded by this gene is a member of the Rho guanine nucleotide dissociation inhibitor (GDI) family. This gene is expressed at high levels in hematopoietic cells. This protein is cytosolic, and dissociation of Rho from this protein is required for membrane association and activation of Rho by Guanine Nucleotide Exchange Factors (GEFs). C-terminal truncations of this gene product have been reported to promote metastasis. Multiple transcript variants and protein isoforms exist. [provided by RefSeq, Aug 2014]</p> <p>Transcript Variant: This variant (6) lacks an in-frame exon in the coding region and uses a downstream start codon compared to variant 1. Variants 5 and 6 encode isoform 2 which has a shorter N-terminus compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>