

Product datasheet for **MG206069**

Rdx (BC053417) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rdx (BC053417) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rdx
Synonyms:	AA516625
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206069 representing BC053417 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCGAAGCCAATCAATGTAAGAGTAACTACAATGGACGCTGAGCTAGAATTTGCCATCCAGCCCAATA
CAACTGGCAAACAACCTTTTGGACAGGTTGTAACAAACAGTTGGCTTACGTGAGGTCTGGTTTTTGGGCT
GCAATATGTAGACAGCAAAGGATATTCTACATGGCTTAAATTGAATAAAAAGGTAACACAGCAAGATGTT
AAAAAAGAAAATCCTTTACAGTTCAAGTTAGAGCTAAATCTTTCTGAAGATGTTCTGAGGAATTGA
TTCAAGAAATAACACAGAGACTTTCTTCTGCAAGTTAAGAAGCCATCTTAAATGATGAGATATATTG
CCACCAGAAACTGCAGTTCTTTGGCTTCGTATGCTGTCCAAGCCAAGTATGGAGATTATAATAAAGAG
ATTCACAAACCAGGCTATCTGGCTAATGACAGACTCTTACCACAGCGTGTGTTTGGAAACAACAACTGA
CCAAAGAGCAGTGGGAGGAGAGAATACAGAAGTGGCATGAGGAACACAGAGGGATGCTAAGGGAAGATTC
GATGATGGAATACTTGAAGATTGCGCAAGATCTAGAGATGTATGGTGTCAACTACTTTGAAATCAAGAA
AAGAAGGGTACTGAGCTGTGGCTAGGTGTTGATGCTTTAGGCCTGAATATTTAATGAACATGATGACAAGT
TAACACCTAAAATGGTTTTCCCTGGAGTGAATCAGAAATATTTCAATTAATGACAAAAAATTCGTTAT
AAAGCCAATTGACAAAAAGGCACCTGATTTTGTCTTCTATGCACCTCGTCTGAGAATCAATAAACGAATT
TTGGCCTTATGTATGGAAACCATGAACGTACATGCGAAGGAGAAAGCCTGATACTATTGAAGTACAGC
AGATGAAGGCTCAGGCCCGGAGGAAAAGCATCAGAAGCAGCTAGAAAAGGCACAATTAGAGAATGAAAA
GAAGAAACGAGAAATAGCAGAAAAGGAAAAGGAAAGAATAGAACGTGAAAAGGAAGAGCTGATGGAGCGT
CTGAGGCAGATCGAAGAGCAAACAGTGAAGGCCGAGAAAGGATGTATAATAAAGTATTAATGGTTTATA
TACAAAACCTCTGAAAGAAGCACTGAAGAGTATAAGGCAGATAGAGCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206069 representing BC053417
 Red=Cloning site Green=Tags(s)

MPKPINVRVTMDAELEFAIQPNTTGKQLFDQVVKTVGLREVWFFGLQYVDSKGYSTWLKLNKKVTQQDV
 KKENPLQFKFRAKFFPEDVSEELIQEITQRLFFLQVKEAILNDEIYCPPETAVLLASYAVQAKYGDYNKE
 IHKPGYLANDRLLPQRVLEQHKLTKEQWEERIQNWHEEHRGMLREDSMMEYLKIAQDLEMYGVNYFEIKN
 KKGTELWLGVDALGLNIYEHDDKLTPIGFPWSEIRNISFNDKKFVIKPIDKKAPDFVFYAPRLRINKRI
 LALCMGNHEL YMRRRKPDTEIVQQMKAQAREEKHQKQLERAQLENEKKKREIAEKEKERIEREKEELMER
 LRQIEEQTVKAQKGCIIKVL MVYIQNSERSTEEYKADRA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC053417

ORF Size: 1169 bp

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:

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: [BC053417](#), [AAH53417](#)

RefSeq Size: 1594 bp

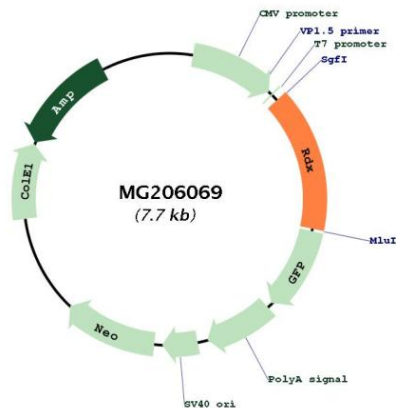
RefSeq ORF: 1169 bp

Locus ID: 19684

Cytogenetics: 9 A5.3

Gene Summary: Probably plays a crucial role in the binding of the barbed end of actin filaments to the plasma membrane.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG206069