

Product datasheet for **MG216228**

Rwdd2a (NM_027100) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Rwdd2a
Synonyms:	1700030C20Rik; A1848608; Rwdd2
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG216228 representing NM_027100
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCAGGGTCAGTAAAAGAAAGCCTTCAGCTTCAGCTGCTGGAGATGAAATGCTGTTTTCTATGTTTC
CTAATCAAGGAGAAGTAACTCGAAGATGTAACGCCCTAACAAACATAAAGAGGTATCTGGAAGGCAC
CAGGGAGGCGCTCCCACCAACATCGAATTTGTCATCACGCTCCAAATTGAGGAGCCCAAGGTGACCATT
GATTTGCAAGTAACCATGCCTCACAACACCCATACGTGGCTCTGCAGCTGTTTGGACGGTCACCTGAGC
TTGACAGACAACAGCAGCTGCTGCTTAACCAAGCTCTCAGTGCTTATCTCGGGACTTTCGACCCAGGTGA
GTTGTGTGTCTGTGCAGCCATCCAGTGGCTGCAGGACAACAGCGCATCCTACTTCTCACCAGAAAGCTG
TCGGACGAGCCATCCGTACAGGCGAAGCCAGTCAAGAACACATTCTCCGCATGTGGATCTATAGCCACC
ACATATATCAGCAGGACCTGAGGAAAAGATCTTGAAGTGGGAAAAGGTTAGATGTGACTGGATTTTG
CATGACAGGAAAGCCTGGTATAATCTGTGTGGAGGGCTTCAAGAATCACTGTGAGGAATTCTGGCACACA
ATCAGATACCCCAATTGGAAACACATTTCTGCAAGCATGCAGAAAGTGTGGAGACAGAGGGGGCAGGTG
AAGACCTGCGCCTCTCCATTCGTTTGAGGAATTACTCCTTGAGGCCCATGGTGACTATGGATTGCGGAA
TGATTATCATGAACCTGGGCCAATTCCTGGAGTTTCTGAGAAAACACAAGAGTGAGCATGTTTTTCAG
ATATTTTGGTATTGAAAGCAAAGCTCAGAGTCC

ACCGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >MG216228 representing NM_027100
 Red=Cloning site Green=Tags(s)

MSGSVKESLQLQLLEMMLFSMFPNQGEVKLEDVNALTNIKRYLEGTREALPPNIEFVITLQIEEPKVTI
 DLQVTMPHNYPYVALQLFGRSPELDRQQQLLLNQALSAYLGTDFPGELCVCAAIQWLQDNSASYFLTRKL
 SDEPSVQAKPVKNTFLRMWIYSHHIYQQDLRKKILEVGKRLDVTGFCMTGKPGIICVEGFKNHCEEFWHT
 IRYPNWKHISCKHAESVETEGDGEDLRLFHSFEELLLLEAHGDYGLRNDYHMMNLGQFLEFLRKHKSEHFVQ
 ILFGIESKSSSES

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_027100

ORF Size: 876 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_027100.2](#), [NP_081376.2](#)

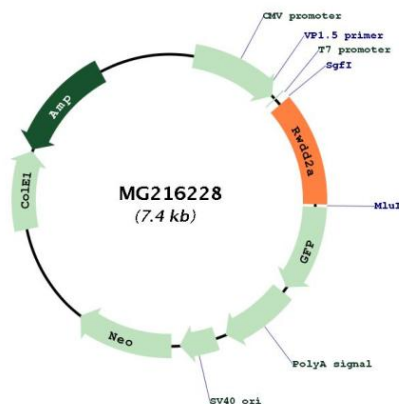
RefSeq Size: 1334 bp

RefSeq ORF: 879 bp

Locus ID: 69519

Cytogenetics: 9 E3.1

Product images:



Circular map for MG216228