

Product datasheet for **RG221813**

RWDD1 (NM_001007464) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RWDD1 (NM_001007464) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: RWDD1
Synonyms: CGI-24; PTD013
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG221813 representing NM_001007464
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGATGATTTTTACTCTAGTGACAGCTGTGCAAGAAAAATTAATGAAATAGTAGATCAGATAAAAA
CTAGAAGAGAAGAAGAAAAGAACAAAAAGAAAAAGAACAGAGAAGCTGAAAAGCAATTATCCATGG
TACTCCAGTTACAATTGAGAATTTCTTAAATTGGAAAGCCAAGTTTGATGCAGAACTCTTGAAATTA
AAGAAAAGGATGAAAGAAGAACAAGCAGGAAAAATAAATTAAGTGGAAACAACATTTGAAACAG
ATCATAATCTTGACACATCTGATATCCAGTTCTTGGAGGATGCTGGAAACAACGTGGAGGTAGATGAGTC
TTTGTTCCAAGAAATGGATGACTTGGAGCTGGAGGATGATGAAGATGATCCAGACTATAATCCTGCTGAC
CCAGAGAGTGACTCAGCTGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG221813 representing NM_001007464
Red=Cloning site Green=Tags(s)

MVMIFTLVTAVQEKLNEIVDQIKTRREEEKQKEKEAEEAEKQLFHGTPVTIENFLNWKAKFDAELLEIK
KKRMKEEEQAGKNKLSGKQLFETDHNLDTSDIQFLEDAGNNVEVDESLEFQEMDDLELEDDEDDPDYPAD
PESDSAD

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_001007464

ORF Size: 441 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: [NM_001007464.3](#)

RefSeq Size: 1562 bp

RefSeq ORF: 444 bp

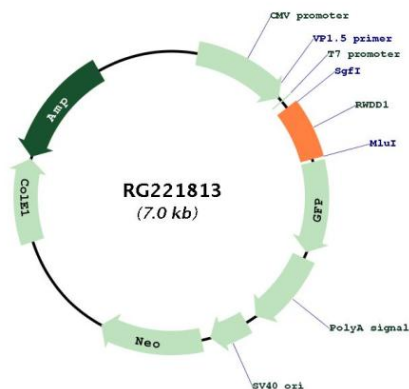
Locus ID: 51389

UniProt ID: [Q9H446](#)

Cytogenetics: 6q22.1

Gene Summary: Protects DRG2 from proteolytic degradation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG221813