

## Product datasheet for **RG221357**

### CDIN1 (NM\_032499) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** CDIN1 (NM\_032499) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** CDIN1  
**Synonyms:** C15orf41; HH114  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG221357 representing NM\_032499  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCTCGGCTTATACTGGAGAGGTTTCTACAGGAACACGAGGAACTCCACCCTCCAAGTCTATTATAA  
 ATAGTATGCTACGGGACCCTTCTCAGATTCAGATGGAGTTCTAGCAAATCAGGTCTATCAGTGCATTGT  
 GAACGACTGCTGTACGGACCACTAGTGGACTGCATCAAGCATGCCATTGGTCATGAGCATGAGGTCCTG  
 CTGAGAGACTTGCTTCTAGAGAAAAACCTGTCCTTCTAGATGAAGATCAGCTTCGTGCAAAGGGTTATG  
 AAAAAACACCAGACTTCATTTTACAAGTACCAGTTGCTGTAGAAGGACACATAATCACTGGATTGAAAG  
 CAAAGCCTCATTTGGTGATGAATGTAGCCACCACGCTACCTGCATGACCAGTTCTGGAGCTACTGGAAT  
 AGATTTGGGCCAGGCTTAGTCATCTATTGGTATGGATTTATCCAGGAGCTGGACTGCAACCGGAAAGGG  
 GCATCCTGCTCAAAGCCTGTTTCCACGAACATTGTCACCTTATGCCACAGCATAGCT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG221357 representing NM\_032499  
 Red=Cloning site Green=Tags(s)

MARLILERFLQEHEETPPSKSIINSMLRDPSQIPDGVLANQVYQCIVNDCCYGPLVDCIKHAIGHEHEVL  
 LRDLLLEKNLSFLDEDQLRAKGYDKTPDFILQVPVAVEGHIHIESKASFGDECSHHAYLHDQFWSYWN  
 RFGPGLVIYWYGFIQELDCNRERGILLKACFPNTIVTLCHSIA

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI



**Cloning Scheme:**


**ACCN:** NM\_032499

**ORF Size:** 549 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\\_032499.6](#)

**RefSeq Size:** 2616 bp

**RefSeq ORF:** 552 bp

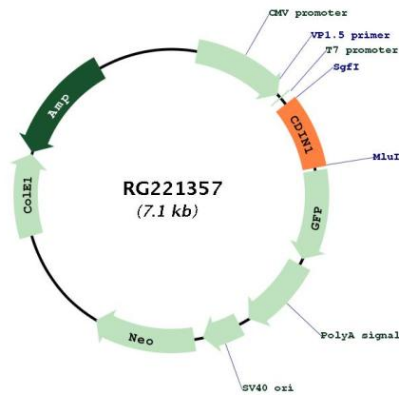
**Locus ID:** 84529

**UniProt ID:** [Q9Y2V0](#)

Cytogenetics: 15q14

Gene Summary: This gene encodes a protein with two predicted helix-turn-helix domains. Mutations in this gene were found in families with congenital dyserythropoietic anemia type Ib. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Mar 2014]

**Product images:**



Circular map for RG221357