

Product datasheet for **RC237207**

CDIN1 (NM_001290233) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDIN1 (NM_001290233) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CDIN1
Synonyms:	C15orf41; HH114
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC237207 representing NM_001290233 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGATACTGACCAAAGCTCAGTACGACGAGATAGCCCAGTGCCTAGTGTCTGTGCCGCTACCAGGCAGA
 GCCTGAGGAAGCTGAAGCAGAGGTTTCCAGTCAATCGCAGGCCACTCTGCTGAGCATCTTCTCCAGGA
 GTACCAGAAACACATTAAGAAGACACATGCCAAACATCATACTTCGGAAGCAATTGAAAGTTATTACCAG
 AGGTACCTGAATGGAGTGGTAAAAATGGAGCTGCCCCAGTGTCTCTGGACCTGGCCAATGAGGTGGACT
 ATGCGCCCTCATTAATGGCTCGGCTTATACTGGAGAGGTTTCTACAGGAACACGAGGAACTCCACCCTC
 CAAGTCTATTATAAATAGTATGCTACGGGACCCTTCTCAGATTCCAGATGGAGTTCTAGCAAATCAGGTC
 TATCAGTGCATTGTGAACGACTGCTGTTACGGACCACTAGTGGACTGCATCAAGCATGCCATTGGTCATG
 AGCATGAGGTCCTGCTGAGAGACTTGCTTCTAGAGAAAAACCTGTCTTCTAGATGAAGATCAGCTTCG
 TGCAAAGGTTATGACAAAACACCAGACTTCATTTACAAGTACCAGTTGCTGTAGAAGGGCACATAATT
 CACTGGATTGAAAGCAAAGCCTCATTTGGTGATGAATGTAGCCACCACGCCTACCTGCATGACCAGTTCT
 GGAGCTACTGGAATAGAGATGGGATCTCACAATGTTCTCAGGCTGGTGTGGAACCTCTGGGCTCAGCGA
 TTCTTTCGCTCAGCCACCCAAAGTGTGGAATTACAGGAGCGAGGAAACATTTCTACCAGGAATCTTT
 ATGAAATGTGTTTGTAAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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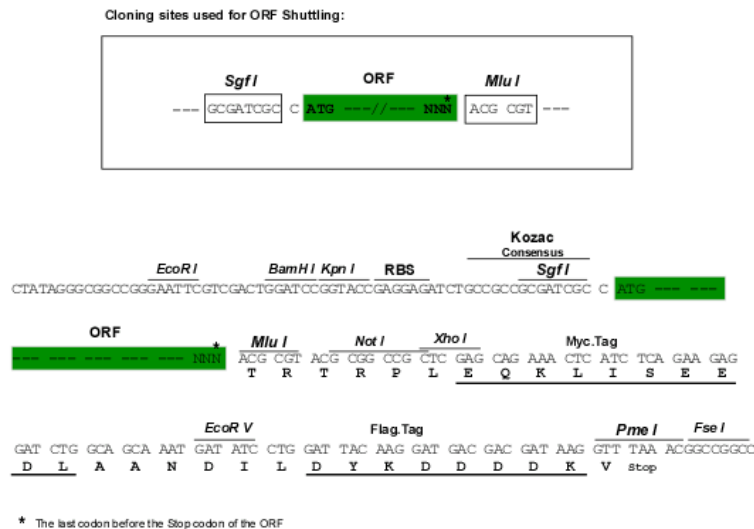
Protein Sequence: >RC237207 representing NM_001290233
Red=Cloning site Green=Tags(s)

MILTKAQYDEIAQCLVSPVPTQRSLRKLKQRFPSQSQTALLSIFSQEYQKHKRTHAKHHTSEAIESYYQ
RYLNGVVKNGAAPVLLDLANEVDYAPSLMARLILERFLQEHEETPPSKSIINSMRLRDPSPQIPDGVLANQV
YQCIYNDCCYGPLVDCIKHAIGHEHEVLLRDLLLEKNLSFLDEDLRAKGYDKTPDFILQVPVAVEGHII
HWIESKASFGDECSSHAYLHDQFWSYWNRDGISQCSSGWCPTGLSDSSASATQSAGITGARKHFLPGIF
MKCVCK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001290233

ORF Size: 858 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_001290233.2](#)

RefSeq Size: 1281 bp

RefSeq ORF: 861 bp

Locus ID: 84529

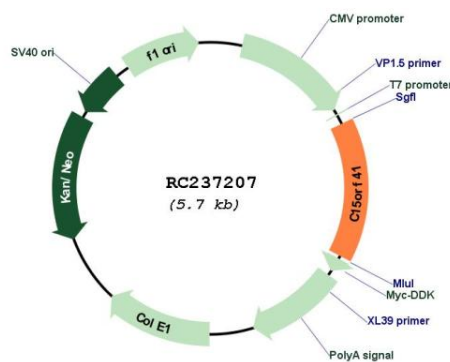
UniProt ID: [Q9Y2V0](#)

Cytogenetics: 15q14

MW: 32.7 kDa

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 RC237207