

Product datasheet for **SC104380**

CDIN1 (NM_032499) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDIN1 (NM_032499) Human Untagged Clone
Tag:	Tag Free
Symbol:	CDIN1
Synonyms:	C15orf41; HH114
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC104380 sequence for NM_032499 edited (data generated by NextGen Sequencing)

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ATGGCTCGGCTTATNNNNNAGGTTTCTACAGGAACACGAGGAACTCCACCCTCAAG
TCTATTATAAATAGTATGCTACGGGACCTTCTCAGATTCAGATGGAGTTCTAGCAAAT
CAGGTCTATCAGTGCATTGTGAACGACTGCTGTTACGGACCACTAGTGGACTGCATCAAG
CATGCCATTGGTCATGAGCATGAGGTCCTGCTGAGAGACTTGCTTCTAGAGAAAAACCTG
TCCTTCTAGATGAAGATCAGCTTCGTGCAAAGGGTTATGACAAAACACCAGACTTCATT
TTACAAGTACCAGTTGCTGTAGAAGGGCACATAATTCAGTGGATTGAAAGCAAAGCCTCA
TTTGGTGATGAATGTAGCCACCACGCCTACCTGCATGACCAGTTCTGGAGCTACTGGAAT
AGATTTGGGCCAGGCTTAGTCATCTATTGGTATGGATTTATCCAGGAGCTGGACTGCAAC
CGGGAAGGGGCATCCTGCTCAAAGCCTGTTTCCCACGAACATTGTACACCTTATGCCAC
AGCATAGCTTGA
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Clone variation with respect to NM_032499.4
15 a=>n;16 c=>n;17 t=>n;18 g=>n;19 g=>n;20 a=>n



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_032499 unedited</p> <p>GTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGCCTGGGACCGGGCGAG TCTCCGCCCGCTTTTGCAGCTAGGGGTGTGTTTCAGGGGGGATTGGGGCAAGCCAAGCA GGCGAGGACCCGGGCTGTGCCGCTTTCCTACCCCTCATCCCTCGGCACCAAGGCTACT TGAGCCCCAGGGTGTTCCTTGTTCGCCACCTCCTGGTCCCTGGCCCAACATGAT ACTGACCAAAGCTCAGTACGACGAGATAGCCAGTGCCTAGTGTCTGTGCCGCTACCAG GCAGAGCCTGAGGAAGCTGAAGCAGAGGTTCCAGTCAATCGCAGGCCACTCTGTGTAG CATCTTCTCCAGGAGTACCAGAAACACATTAAGAACACATGCCAAACATCATACTTC GGAAGCAATTGAAAGTTATTACAGAGGTACCTGAATGGAGTGGTAAAAATGGAGCTGC CCCAGTGTCTGGACCTGGCCAATGAGGTGGACTATGCGCCCTCATAATGGCTCGGCT TATACTGGAGAGGTTTCTACAGGAACACGAGGAACTCCACCCTCCAAGTCTATTATAAA TAGTATGTACGGGACCCTTCTCAGATCCAGATGGAGTTCTAGCAAATCAGGTCTATCA GTGCATTGTGAACGACTGCTGTTACGGACCACTAGTGGACTGCATCAAGCATGCCATTGG TCATGAGCATGAGGTCTGCTGAGAGACTTGTCTTAGAANAACCTGTCCTTNTAGAT GAGATCAGCTTCGTGCCAAGTTATGACAAACACCAGACTTCATTNTACAGTACAGTTGT ATGGCTTGCCCTTACTGTAGAAGGCACATATCACTGGATGAAAGCAAGCCTCATTGNTGA TGATGTACCACCACCTACTGCATGACA</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_032499 unedited</p> <p>CGCGGCCCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTAATTTATTTGTT CACGTTTCATATAATAAATTTGTTAATGTAATAAACAATCCTTGACAAGGGTTTAA CAGGATTTTCAACATCTGTGCAGATAAATGTAATTTATTCCTAAAGAAAAACAGTTTAA AACATGCCAGGAAACCTGCTTTTAACTTTTTGTATAAAGTGTGTGTGTGTGTGTGTG TATCCAGCAATACAGTAGTGGTTCAAATCATTCTATTTCACTCAGAAGCCTGCATGAT GAATTTTATACTGAAACAGAAGTTTGCCTGACCCTTCTTTAGCATTTCATCTTCTGCCTC TCTCTTTGATTTAATGCACCCCACTCAGAGTTAAATCCACACATGTTGGGACCAGGTT TGTGTCCTTCAAAGGAAAGCAGCAGGCATATTTTTACAAACCTTCTTTGGTAGAAAAAT AAACAAAGTATAAATGACATATTTAGTCTTTTGAATAAATCAAGCAATGTATATAAGTT AAAGCTGTCTGCAAAAATACATTGTTGTTATTAGTATTTCCCATATCATCTATTCAACA TTATAAAGTTGTTATGTGAGCATGGCAGGGTGGCGGNGGCAAAATTTTTACTAAATACG TTTTGGGTACAGATTAATTTCAACTTCCCGAAGACAGTTTATTATTACTACTGAGTTT CGCTTAGACTGAATCTGATTGCAGACATAAAGTCACAAAGTGATAAATTAAAGTGACAATA GAAATCTCTTTATTTGCTATTTAAATGCCTCAGTTATTCTGGCCACTAGTATAAAGCTA ACATTTATGCTGACTACTCAGTGTATAATACATGTATAAAGCTATCTAGCGTTACGATG TGCTTTAAACTGCTCTAAACTACTCGTCTACGCACTANCTGTTAAATACTTCTATGTG GTTGCC</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_032499
Insert Size:	3000 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_032499.3](#), [NP_115888.1](#)

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]

Transcript Variant: This variant (2) differs in the 5' and 3' UTRs, lacks a portion of the 5' coding region, and initiates translation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (2) has a shorter N-terminus than isoform 1. Variants 2 and 3 encode the same isoform (2). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.