

Product datasheet for **SC115524**

CDKN1A interacting zinc finger protein 1 (CIZ1) (NM_012127) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDKN1A interacting zinc finger protein 1 (CIZ1) (NM_012127) Human Untagged Clone
Tag:	Tag Free
Symbol:	CDKN1A interacting zinc finger protein 1
Synonyms:	LSFR1; NP94; ZNF356
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF:

>OriGene sequence for NM_012127 edited
 GAATTCGGCACGAGGCCGGGCGGCAGACGGACCTTGGTCTCCGAGCCTCCCTTCGCGAT
 GCGGAGGACGCGGGACAGAGGCCACCATGTTTCAGCCAGCAGCAGCAGCAGCTCCAGC
 AACAGCAGCAGCAGCTCCAGCAGTTACAGCAGCAGCAGCTCCAGCAGCAGCAATTGCAGC
 AGCAGCAGTTACTGCAGCTCCAGCAGTGTCCAGCAGTCCCCACCACAGGCCCGTTGTC
 CCATGGCTGTAGCCGGGGCTCCCCCGCAGCAGCCACAGCAGCCGCTTCTGAATCTCC
 AGGGACCAACTCAGCTCCCTCCTCAACGGCTCCATGCTGCAGAGAGCTTTGCTTTTAC
 AGCAGTTGCAAGGACTGGACCAAGTTTGCAATGCCACCAGCCACGTATGACACTGCCGGTC
 TCACCATGCCACAGCAACACTGGGTAACCTCCGAGGCTATGGCATGGCATCCCCAGGCC
 TCGCAGCCCCAGCCTCACACCCCCACAACCTGGCCACTCCAAATTTGCAACAGTTCTTTC
 CCCAGGCCACTCGCCAGTCTTGTGGGACCTCCTCCTGTTGGGGTCCCCATGAACCTT
 CCCAGTTCAACCTTTTCAGGACGGAACCCCCAGAAACAGGCCCGGACCTCCTCCTACCA
 CCCCCAATCGAAAGGATTCTTCTCTCAGACAATGCCTGTGGAAGACAAGTCAGACCCCC
 CAGAGGGGTCTGAGGAAGCCGACAGCCCCGGATGGACACACCAGAAGACCAAGATTTAC
 CGCCCTGCCAGAGGACATCGCCAAGGAAAAACGCACTCCAGCACCTGAGCTGAGCCTT
 GTGAGGCGTCCGAGCTGCCAGCAAAGAGATTGAGGAGCTCAGAAGAGCCACAGAGAAGG
 AACCTCCAGGGCAGTTACAGGTGAAGGCCAGCCGACGGCCGGATGACAGTACCGAAAC
 AGACACAGACACCAGACCTGCTGCCTGAGGCCCTGGAAGCCCAAGTGTGCCACGATTCC
 AGCCACGGGTCTGCAGGTCCAGGCCAGGTGCAGTCACAGACTCAGCCGCGGATACCAT
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 AGAAGCAGGTGCAGCCACAGGTACAGCCACAGGCACATTACAGGGCCCAAGGCAGGTGC
 AGCTGCAGCAGGAGGCAGAGCCGCTGAAGCAGGTGCAGCCACAGGTGCAGCCCCAGGCAC
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 ATCCACAGGTCCACACAGGCACAGCCAAAGCTCCAGCCACAGGAGCATCCTCCAGCGC
 AGGTGTCAGTACAGCCACCAGAGCAGACCCATGAGCAGCCTCACACCCAGCCGACGGTGT
 CGTTGCTGGCTCCAGAGCAAACACCAAGTTGTGGTTCATGTCTGCGGGCTGGAGATGCCAC
 CTGATGCAGTAGAAGCTGGTGGAGGCATGGAAAAGACCTTGCCAGAGCCTGTGGGCACCC
 AAGTCAGCATGGAAGAGATTGAGAATGAGTCGGCTGTGGCTAGATGTGGGAGAATGTG
 AAAACAGAGCGAGAGAGATGCCAGGGGTATGGGCGCCGGGGGCTCCCTGAAGGTACCA
 TTCTGCAGAGCAGTGACAGCCGGGCCTTTAGCACTGTACCCCTGACACCTGTCCCCGCC
 CCAGTGACTCCGTCTCCTCCACCCTGCGGCTACCAGCACTCCCTCTAAGCAGGCCCTCC
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 TGTCCGAGCCTCAGCACCCAGCAGCGGTAGGGGAGATCCAGCACATGAGCCAAGCCTGCC
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 CAAGGCGCTGGTGAACACCTGCCAGCTCTACTACATGGGGGACCTGATCCAACACCGCA
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 GCTACTTCAAAACCCCTCGCAAGTTTGTGGAGCACGTGAAGTCCCAGGGGCATAAGGACA
 AAGCCAAGGAGCTGAAGTCGCTTGAGAAAGAAATTGCTGGCCAAGATGAGGACCATTCA
 TTACAGTGGACGCTGTGGTTGCTTCGAGGGTGATGAAGAAGAGGAAGAGGATGATGAGG
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 CCAGAGAGGAGTGGAAGGGCTCGGAGACCTACAGCCCCAATACTGCATATGGTGTGGACT
 TCCTGGTGCCCGTGTGGGCTATATCTGCCGCATCTGCCACAAGTTCTATCACAGCAACT
 CAGGGGCACAGCTCTCCCACTGCAAGTCCCTGGGCCACTTTGAGAACCTGCAGAAATACA
 AGGCGGCCAAGAACCCAGCCCCACCACCCGACCTGTGAGCCGCGGTGCGCAATCAACG
 CCCGGAACGCTTTGACAGCCCTGTTACCTCCAGCGGCCGCCACCTCCAGGCCAACA
 CCCAGGACAAAACACCCAGCAAGGTGACGGCTCGACCCTCCAGCCCCACTACCTCGGC
 GCTCAACCCGCTCAAAACCTGATAGAGGGACCTCCCTGTCCCTGGCCTGCCTGGGTCCA
 GATCTGCTAATGCTTTTATGAGTCTGCCTGGAACCTTTGACATGGTTTATGTTTTTACT
 CAAATCCAATAAAACAAGGTAGTTTGGCAAAAAAAAAAAAAAAAAAAGTTCGAC

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_012127 unedited
 TGATTTTGTAAATACGACTTACTATAGGGGCGGCCGCGATTTCGGCACGAGGCCGGGCGGCA
 GACGGACCTTGGTCTCCGAGCCTCCCCTTCGCGATGCGGAGGACGCGGGACAGAGGCCAC
 CATGTTTACGCCAGCAGCAGCAGCAGCAGCTCCAGCAACAGCAGCAGCAGCTCCAGCAGTT
 ACAGCAGCAGCAGCTCCAGCAGCAGCAATTGCAGCAGCAGCAGTTACTGCAGTCCAGCA
 GCTGCTCCAGCAGTCCCCACACAGGCCCGTTGCCCCATGGCTGTCAGCCGGGGGCTCCC
 CCGCAGCAGCCACAGCAGCCGCTTCTGAATCTCCAGGGCACCAACTCAGCCTCCCTCCT
 CAACGGCTCCATGCTGCAGAGAGCTTTGCTTTTACAGCAGTTGCAAGGACTGGACCAGTT
 TGCAATGCCACACGCCACGTATGACACTGCCGGTCTACCATGCCACAGCAACACTGGG
 TAACCTCCGAGGCTATGGCATGGCATCCCCAGGCCTCGCAGCCCCAGCCTCACACCCCC
 ACAACTGGCCACTCCAAATTTGCAACAGTTCTTTCCCCAGGCCACTCGCCAGTCTTGCT
 GGGACCTCCTCTGTTGGGGTCCCCATGAACCTTCCAGTTCAACCTTTCAGGACGGAA
 CCCCCAGAAACAGGCCCGGACCTCCTCCTTACCACCCCCAATCGAAAGGATTCTTCTTC
 TCAGACAATGCCTGTGGAAGACAAGTCAGACCCCCAGAGGGGTCTGAGGAAGCCGAGA
 GCCCAGATGGACACACCAGAAGACCAAGAATTACCGCCTGCCAGAGGACATCGNCAG
 GNANAACGCACTNCAGCAGCTGAGCCTGAGCCTGTNGAGGCGTNCAGCTGCCAGCAAG
 AGATGGAGGAGCTCAGAAGAGCCACAGAGAAGGAACCTNCAGGNCAGTTACAAGTGAA
 NGNCCACCCGCGAGGCCGCGNATGAACAGTACCGAANCAGACCCN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_012127 unedited
 CGCGGCCGCAATTTAGNATCGAGTTTTTTTTTTTTTTTTTTTGGCCAACTACCTTGTTTTA
 TTGGATTTTGTAGTAAAAACATGAACCATGTCAAAGTTTCCAGGCAGACTCCTAAAAAGCA
 TTAGCAGATCTGACCCAGGCAGGCCAGGGACAGGGAGGTCCCTCTATCAGGTTTTGAGG
 CGGGTTGAGCGCCGAGGTAGTGGGGGTGGGAGGGTCGAGCCGTACCTTGCTGGGTGTT
 TTGTCTGGGTGTTGGGCTGGGAGGGTGGGCGGCCGCTGGAGGTGAACAGGGCTGTCAA
 GCGTTCGGGGCTTGATTGCGCACCGCGGCTCACAGGTCGGGTGGTGGGCTGGGGTTC
 TTGGCCGCTTGATTTTCTGCAGTTCTCAAAGTGGCCAGGGACTTGCAGTGGGAGAGC
 TGTGCCCTGAGTTGCTGTGATAGAATTGTGGCAGATGCGGCAGATATAGCCCATCACG
 GGCACCAGGAAGTCCACACCATATGCAGTATTGGGGCTGTAGGTCTCCGAGCCCTCCAC
 TCCTCTCTGGATATATCTCTGGACCTCACCTGCTTGAGAGTTCTCCTCAACCTCGATC
 TCTTCTTCATCCTCATCCTCTCTCTCTTCTTCATCACCTTCGAAGCAACCCACAGC
 GTCCACTGTAATGAAGTGGTCTCATTTTGGGCAAGAATTTCTCTCTCAAGCGACTTCAG
 CTTCTTGGCTTTGCTTATGCCCTGGGACCTCACGTGCTCCACAACTTGCGAGGGGT
 TTTGAAGTACCGGTTGCAATGTGCAAAAGGTCGCAAGGATGGTTGGCATCTTGTGGGC
 CTGGTCTGGGGTTGGGAAAGGTCCCATGTATAAACTGGTAGGGTTACACCCCTTG
 GGGGAGTTTCATCTCTTTGATCACACAACATCCCGGAT

Restriction Sites:

NotI-NotI

ACCN:

NM_012127

Insert Size:

2950 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_012127.2](#), [NP_036259.2](#)

RefSeq Size: 3032 bp

RefSeq ORF: 2697 bp

Locus ID: 25792

UniProt ID: [Q9ULV3](#)

Cytogenetics: 9q34.11

Domains: ZnF_U1, zf-C2H2

Gene Summary: The protein encoded by this gene is a zinc finger DNA binding protein that interacts with CIP1, part of a complex with cyclin E. The encoded protein may regulate the cellular localization of CIP1. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2012]

Transcript Variant: This variant (1) has an alternate exon in place of the first exon and lacks an alternate in-frame exon compared to variant 6. The resulting isoform (1) is shorter at the N-terminus and lacks an alternate internal segment compared to isoform 5. Variants 1 and 5 encode the same isoform (1).