

Product datasheet for **RC226208**

CDKN1A interacting zinc finger protein 1 (CIZ1) (NM_001131015) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDKN1A interacting zinc finger protein 1 (CIZ1) (NM_001131015) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CIZ1
Synonyms:	LSFR1; NP94; ZNF356
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC226208 representing NM_001131015
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTT**CAGCCAGCAGCAGCAGCAGCAGCTCCAGCAACAGCAGCAGCAGCTCCAGCAGTTACAGCAGCAGC**
AGCTCCAGCAGCAGCAATTGCAGCAGCAGCAGTTACTGCAGCTCCAGCAGCTGCTCCAGCAGTCCCACC
ACAGGCCCCGTTGCCATGGCTGTCAGCCGGGGCTCCCCCGCAGCAGCCACAGCAGCCGTTCTGAAT
CTCCAGGGCACCAACTCAGCCTCCCTCCTCAACGGCTCCATGCTGCAGAGAGCTTTGCTTTTACAGCAGT
TGCAAGGACTGGACCAGTTTGAATGCCACCAGCCACGTATGACACTGCCGGTCTCACCATGCCACAGC
AACACTGGGTAACCTCCGAGGCTATGGCATGGCATCCCCAGGCCTCGCAGCCCCCAGCCTCACACCCCCA
CAACTGGCCACTCCAAATTTGCAACAGTTCTTTCCCCAGGCCACTCGCCAGTCTTGTCTGGGACCTCCTC
CTGTTGGGGTCCCATGAACCTTCCCAGTTCAACCTTTCAGGACGGAACCCCCAGAAACAGGCCGGAC
CTCCTCCTTACCACCCCAATCGAAAGGATTCTTCTTCTCAGACAATGCCTGTGGAAGACAAGTCAGAC
CCCCAGAGGGGTCTGAGGAAGCCGCAGAGCCCCGGATGGACACACCAGAAGACCAAGATTTACCGCCT
GCCCAGAGGACATCGCCAAGGAAAAACGCACTCCAGCACCTGAGCCTGAGCCTTGTGAGGCGTCCGAGCT
GCCAGCAAAGAGATTGAGGAGCTCAGAAGAGCCCACAGAGAAGGAACCTCCAGGGCAGTTACAGGTGAAG
GCCCAGCCGCAGGCCCGGATGACAGTACCGAAACAGACACAGACACCAGACCTGCTGCCTGAGGCCCTGG
AAGCCCAAGTGTGCCACGATTCAGCCACGGGTCTGCAGGTCCAGGCCAGGTGCAGTACAGACTCA
GCCCGGATACCATCCACAGACACCCAGGTGCAGCCAAAGCTGCAGAAGCAGGCGCAAACACAGACCTCT
CCAGAGCACTTAGTGTGCAACAGAAGCAGGTGCAGCCACAGTGCAGCAGGAGGCAGCCACAGAAGC
AGGTGCAGCCACAGGTCCACACACAGCCAGCCAGCCAGCCAGCCACAGGAGCATCCTCCAGCCGAGT
GTCAGTACAGCCACCAGAGCAGACCCATGAGCAGCCTCACACCCAGCCGAGGTGTCGTTGCTGGCTCCA
GAGCAAACACCAGTTGTGGTTTATGTCTGCGGGTGGAGATGCCACCTGATGCAGTAGAAGCTGGTGGAG
GCATGGAAAAGACCTTGCCAGAGCCTGTGGGCACCCAAGTCAGCATGGAAGAGATTGAGAATGAGTCGGC
CTGTGGCCTAGATGTGGGAGAATGTGAAAACAGAGCGAGAGAGATGCCAGGGGTATGGGGCGCCGGGGC
TCCCTGAAGGTACCATTTCTGCAGAGCAGTGCAGCCGGGCTTTAGCACTGTACCCCTGACACCTGTCC
CCC GCCCAGTGACTCCGTCTCCTCCACCCTGCGGCTACCAGCACTCCCTCTAAGCAGGCCCTCCAGTT
CTTCTGCTACATCTGCAAGGCCAGTGTCCAGCCAGCAGGAGTCCAGGACCACATGTCGGAGCCTCAG
CACCAGCAGCGGCTAGGGGAGATCCAGCACATGAGCCAAGCCTGCCTCCTGTCCCTGCTGCCGTGCCCC
GGGACGTCTGGAGACAGAGGATGAGGAGCCTCCACCAAGGCGCTGGTGC AACACCTGCCAGCTCTACTA
CATGGGGGACCTGATCCAACACCCGAGGACACAGGACCACAAGATTGCCAAACAATCCTTGCGACCCCTT
TGCACCGTTTGAACCGCTACTTCAAAACCCCTCGCAAGTTTGTGGAGCACGTGAAGTCCCAGGGGCATA
AGGACAAAGCCAAGGAGCTGAAGTCGTTGAGAAAAGAAATGCTGGCCAAGATGAGGACCACTTCATTAC
AGTGGACGCTGTGGTTGCTTCGAGGGTGTGAAGAAGAGGAAGAGGATGATGAGGATGAAGAAGAGATC
GAGGTTGAGGAGGAACCTGCAAGCAGGTGAGGTCCAGAGATATATCCAGAGAGGAGTGAAGGGCTCGG
AGACCTACAGCCCAATACTGCATATGGTGTGGACTTCTGGTGGCCGTGATGGGCTATATCTGCCGAT
CTGCCACAAGTTCTATCACAGCAACTCAGGGGCACAGCTCTCCACTGCAAGTCCCTGGGCCACTTTGAG
AACCTGCAGAAATACAAGGCGGCCAAGAACCCAGCCCCACCACCCGACCTGTGAGCCGCGGTGCGCAA
TCAACGCCGGAACGCTTTGACAGCCCTGTTACCTCCAGCGGCCGCCACCCTCCAGCCCAACACCCA
GGACAAAACACCCAGCAAGGTGACGGCTCGACCCTCCAGCCCCACTACCTCGGCGCTCAACCCGCTC
AAAACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC226208 representing NM_001131015
Red=Cloning site Green=Tags(s)

MFSQQQQQLQQQQQLQQLQQQLQQQLQQQLLQLQQLLQQSPPQAPLPMAVSRGLPPQQPQQPLL
LQGTNSASLLNGSMLQRALLLQQLQGLDQFAMPPATYDTAGLTMPTATLGNLRGYMASPGLAAPSLTPP
QLATPNLQQFFPQATRQSLGPPVGVPMNPSQFNLSGRNPQKQARTSSSTTPNRKSSSQTMPVEDKSD
PPEGSEAAEPRMDTPEDQDLPPCPEDIAKEKRTPAPEPEPCEASELPAKRLRSSEEPTEKEPPGQLQVK
AQFQARMTVPKQTQTPDLLPEALEAQVLPRFQPRVLQVQAQVQSQTQPRIPSTDTQVQPKLQKQAQTQTS
PEHLVLQKQVQPQLQQEAEPQKQVQPQVHTQAQPSVQPQEHPPAQVSVQPPEQTHEQPHTQPQVSLAP
EQTPVVVHVCGLEMPPDAVEAGGMEKTLPEPVGTQVSMEEIQNESACGLDVGECENRAREMPGVWGAGG
SLKVITILQSSDSRAFSTVPLTPVPRPSDSVSSTPAATSTPSKQALQFFCYICKASCSSQEFQDHMSEPQ
HQQRLGEIQHMSQACLLSLLPVPRDVLETEDEPPRRWCNTCQLYYMGDLIQHRRTQDHIKQSLRPF
CTVCNRYFKTPRFVEHVKSQGHKDKAKELKSLEKEIAGQDEDFITVDAVGCFEDEEEEEDEDEEIE
EVEEELCKQVRSRDISREEWKGETYSPNTAYGVDFLVPVMGYICRICKFYHSNSGAQLSHCKSLGHFE
NLQKYKAAKNPSPTRPVSRRCAINARNALTALFTSSGRPPSQPNTQDKTPSKVTARPSQPPLPRRSTRL
KT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul

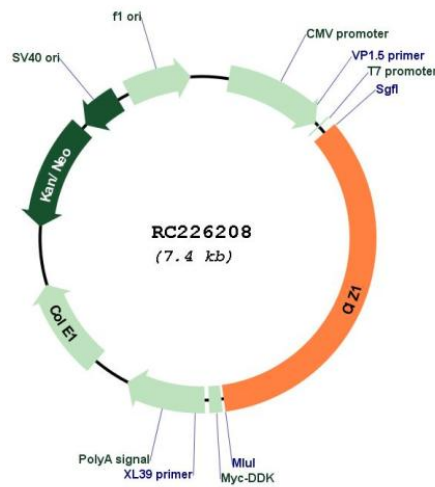
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_001131015
ORF Size:	2526 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:	<ol style="list-style-type: none">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_001131015.2
RefSeq ORF:	2529 bp
Locus ID:	25792
UniProt ID:	Q9ULV3
Cytogenetics:	9q34.11
MW:	93.4 kDa
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]