

Product datasheet for **RC223437**

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

Product data:

Product Type:	Expression Plasmids
Product Name:	CDKN1A interacting zinc finger protein 1 (CIZ1) (NM_012127) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CDKN1A interacting zinc finger protein 1
Synonyms:	LSFR1; NP94; ZNF356
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC223437 representing NM_012127
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTCCAGCCAGCAGCAGCAGCAGCTCCAGCAACAGCAGCAGCAGCTCCAGCAGTTACAGCAGCAGC
AGCTCCAGCAGCAGCAATTGCAGCAGCAGCAGTACTGCAGCTCCAGCAGCTGCTCCAGCAGTCCCCACC
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TGCAAGGACTGGACCACTTGAATGCCACCAGCCACGTATGACACTGCCGGTCTCACCATGCCACAGC
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC223437 representing NM_012127
Red=Cloning site Green=Tags(s)

MFSSQQQQQLQQQQQLLQQLQQQLQQQLQQQLQLQLQLLQSSPPQAPLPMAYSRGLPPQPQPQLLN
LQGTNSASLLNGSMLQRALLLQQLQGLDQFAMPPATYDTAGLTMTPTATLGNLRGYGMA SPGLAAPSLTPP
QLATPNLQQFFPQATRQSLLGPPPVGVMNPSQFNL SGRNPQKQARTSSSTTPNRKDSSQTMPVEDKSD
PPEGSEAAEPRMDTPEDQLPPCPEDIAKEKRTPAPEPEPCEASELPAKRLRSSEEPTEKEPPGQLQVK
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PEHLVLQKQVQPQLQQEAEPKQVQVQVQVQQAHSQGPQVQLQQEAEPKLQVQVQVQVQQAHSQPPRQVQ
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PPDAVEAGGGMEKTLPEPVGTQVSMEEIQNESACGLDVGECENRAREMPGVWAGGSLKVTILQSSDSRA
FSTVPLTPVPRPSDSVSSTPAATSTPSKQALQFFCYICKASCSSQEFQDHMSEPQHQQRLGEIQHMSQA
CLLSLLPMPRDVLTEDEEPPRRWCNTCQLYYMGDLQIHRRTQDHKIAKQSLRPFCTVCNRYFKTPRK
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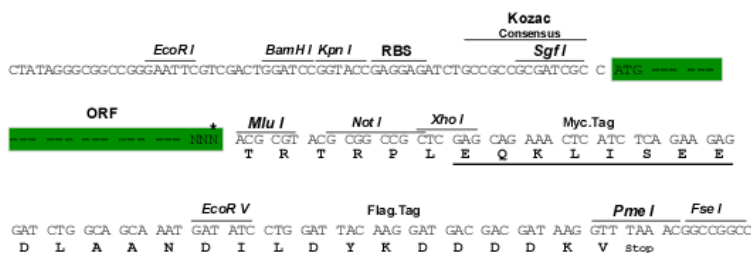
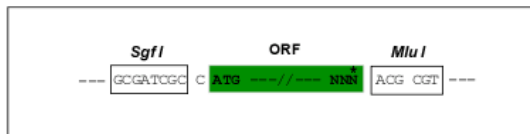
TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6687_h09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:

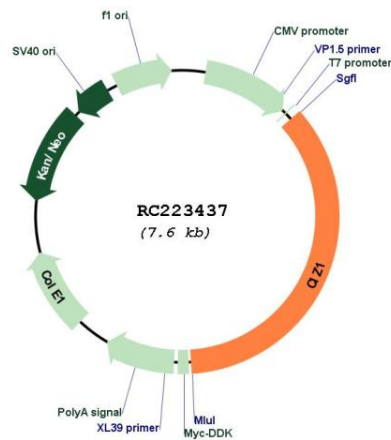


* The last codon before the Stop codon of the ORF

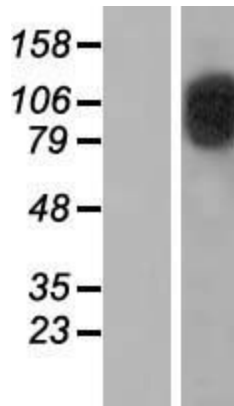
ACCN: NM 012127

ORF Size:	2694 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
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_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
MW:	99.9 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]

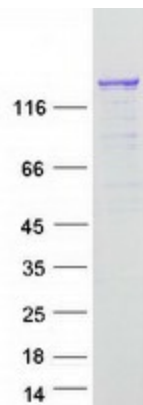
Product images:



Circular map for RC223437



Western blot validation of overexpression lysate (Cat# [LY427357]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC226243] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified CIZ1 protein (Cat# [TP323437]). The protein was produced from HEK293T cells transfected with CIZ1 cDNA clone (Cat# RC223437) using MegaTran 2.0 (Cat# [TT210002]).