

Product datasheet for **RC215633**

JRKL (NM_003772) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	JRKL (NM_003772) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	JRKL
Synonyms:	HHMJG
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC215633 representing NM_003772
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCAGGAAACGGAAGCGTGTGGTGTGACTATTAAGATAAGCTTGATATAATAAGAAACTTGAAG
 ACGGAGGTTCTTCCAAACAACACTGGCAGTATTTATGGAATTGGTAAACAACAGTTCGGGATATAAGAAA
 AAATAAGGAAAAGATTATAACTTATGCAAGCAGTTCTGATTCCACAAGTCTTTGGCCAAGGAAATCT
 ATGAAGCCATCCATGTATGAGGAATTGGACAGGCAATGCTGGAATGGTTCAACCAGCAAAGAGCAAAG
 GGAATCCCATATCTGGACCAATTTGTGCAAAAAGGCGAGATTCTTTTATGCTTTGGGAATGGATGG
 TGATTTTAAACCCCTCGCCGTTGGCTAACTCGTTTTAAGCAGCGGCACAGCATTAGAGAGATTAACATT
 AGAAATGAAAGATTAATGGAGATGAGACTGCGGTGGAAGATTTTGTAAACTTTGAGATTTTATTG
 AACGAGAGAATTTACAGCCTGAACAAATCTACAATGCAGATGAACTGGACTCTTTTGAAGTGCTTGCC
 TTCTAGGATTTAGTAATCAAAGGTAATGCAGTGTCCCTGGGCACAAATCAATTGAAGAAAGAGTCACA
 ATCATGTGTTGTGCCAATGCAACAGTTTACACAACTTAAACTTTGTGTGTGGGGAAAGCAAAGAAAC
 CTCGCTCCTTTAAATCAACTGACACCTTAACTGCCAGTCTCTTATTTAGCCAAAAAGGTGCATTGGAT
 GGATCTTTCCATTTCCGACAATGGTTTGATAAAATTTTGTGCCGAAGTTCGAGAGTATTTAAGATCT
 AAAGGCTTGCAAGAAAAGGCTGTGCTCTTGTGGATAATTCACCAACACATCCAAATGAAATGTCTAA
 GGTGAGATGATGGCCAAATTTTGTAAATATTTACCACCTAATGTGGCCTCATTGATTCAGCCTCAGA
 TCAGGGAGTCATAGCAACGATGAAGAGAAATTCGTGCAGGCTCTTCCAGAACAACTTGAAGAAGGT
 AATGACCTGAAATCATTCTGGAAGAAGCTAACTCTGTTGGATGCATTTATGAAATAGCAATGGCATGGA
 ACTTAGTAAAACAGTTACCATTAGCAGAGCATGGAAGAAGATTCTCCCTATGGTAGAGGAAAGAGAG
 CCTGGACTTTGATGTTGAAGATATTTCTGTGGCTACTGTGGCTGCCATTTTACAACACACCAAAGGATTG
 GAAATGTGACTACTGAGAACCTTGAAAAATGGCTTGAAGTAGACAGTACTGAACCAGGCTATGAAGTGT
 TAACTGATAGCGAAATCATCAGAAGAGCACAAGGCCAGGCAGATGAATCCAGTGAATGAGGAGGAGGA
 AATAGAATAATCCAGAGAAACATATTAATCATGCAGCTGCCCTCCAGTGGACTGAAAATTTATTGGAT
 TATCTAGAACAACAAGGTGATATGATTCTACCTGATAGACTGGTAATACGTAAACTTCGAGCCACCATCA
 GAAATAAACAGAAGATGACAAAGTCAAGTCAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC215633 representing NM_003772
 Red=Cloning site Green=Tags(s)

MSGKRKRNVLLTIKDKLDIKKLEDDGGSSKQLAVIYIGETTVRDIRKNKEIITYASSSDSTSLAKRKS
 MKPSMYEELDRAMLEWFNQQRAGNPISGPICAKRAEFFYALGMDGDFNPSAGWLTRFKQRHSIREINI
 RNERLNGDETAVEDFCNNFRDFIERENLQPEQIYNADETLFWKCLPSRISVIK GKCTVPGHKSI EERV
 IMCCANATGLHLKLCVVGKAKKPRFKSTDTLNLVSYFSQKGAWMDLSIFRQWFDKIFVPQVREYLR
 KGLQEKAVALLLDNSPTHPNENLRSDDGQIFAKYLPNVASLIQPSDQGV IATMKRNYRAGLLQNNLEEG
 NDLKSFWKLLTLLDALYEIAMAWNLVKPVVISRAWKKILPMVEEKESLDFDVEDISVATVAAILQHTKGL
 ENVTTENLEKWLEVDSTEPGYEVLTDSEIIRRAQQADESENEEEEEIELIPEKHINHAALQWTEENLLD
 YLEQQGDMILPDRLVIRKLRATIRNKQKMTKSSQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8115_d03.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_003772

ORF Size: 1572 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.

RefSeq: [NM_003772.4](#)

RefSeq Size: 3577 bp

RefSeq ORF: 1575 bp

Locus ID: 8690

UniProt ID: [Q9Y4A0](#)

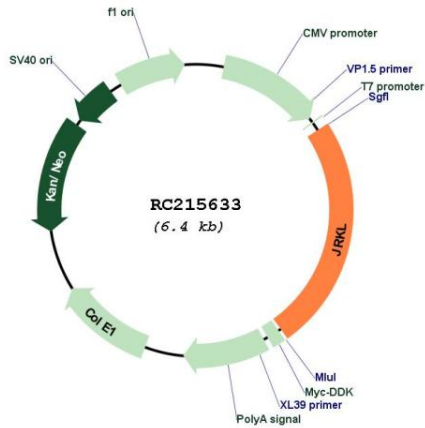
Cytogenetics: 11q21

Domains: DDE, CENPB, CENP-B_N

MW: 59.9 kDa

Gene Summary: The function of this gene has not yet been defined, however, the encoded protein shares similarity with the human (41% identical) and mouse (34% identical) jerky gene products. This protein may act as a nuclear regulatory protein. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, May 2012]

Product images:



Circular map for RC215633