

Product datasheet for **RG215633**

JRKL (NM_003772) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	JRKL
Synonyms:	HBMJG
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence: >RG215633 representing NM_003772
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTCAGGGAACGGAAGCGTGTGGTGTGACTATTAAGATAAGCTTGATATAATAAGAACTTGAAG
 ACGGAGGTTCTTCCAAACAACTGGCAGTGATTTATGGAATTGGTGAAACAACAGTTCGGGATATAAGAAA
 AAATAAGGAAAAGATTATAAATTATGCAAGCAGTTCTGATTCCACAAGTCTTTTGGCCAAGAGGAAATCT
 ATGAAGCCATCCATGTATGAGGAATTGGACAGGCAATGCTGGAATGGTTCAACCAGCAAAGAGCAAAAG
 GGAATCCCATATCTGGACCAATTTGTGCAAAAAGGCGAGAGTCTCTCTTTATGCTTTGGGAATGGATGG
 TGATTTTAACCCCTCTGCGGTTGGCTAACTCGTTTTAAGCAGCGGCACAGCATTAGAGAGATTAACATT
 AGAAATGAAAGATTAATGAGATGAGACTGCGGTGGAAGATTTTGTAAATACTTTGAGATTTTATTG
 AACGAGAGAATTTACAGCCTGAACAACTACAATGCAGATGAACTGGACTCTTTTGAAGTGCTTGCC
 TTCTAGGATTTAGTAATCAAAGGTAATGCACTGTCCCTGGGCACAAATCAATTGAAGAAAGAGTCACA
 ATCATGTGTTGTGCCAATGCAACAGGTTTACACAACTTAACTTTGTGTTGTGGGAAAGCAAGAAAC
 CTCGCTCCTTTAACTCACTGACACCTTAACTGCGCAGTCTCTTATTTAGCCAAAAGGTGCATGGAT
 GGATCTTTCCATTTTCCGACAAATGGTTTGATAAAATTTTGTGCCGAAGTTCGAGAGTATTTAAGATCT
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 GGTCAGATGATGGCCAAATATTTGCTAAATATTTACCACCTAATGTGGCCTCATTGATTCAGCCTTCAGA
 TCAGGGAGTCATAGCAACGATGAAGAGAAATTATCGTGCAGGTCTTCTCCAGAACAATTGGAAGAAGGT
 AATGACCTGAAATCATTCTGGAAGAAGCTAACTCTGTTGGATGCACTTTATGAAATAGCAATGGCATGGA
 ACTTAGTAAACCAAGTTACCATTAGCAGAGCATGGAAGAAGATTCTCCCTATGGTAGAGGAGAAAGAGAG
 CCTGGACTTTGATGTTGAAGATATTTCTGTGGCTACTGTGGCTGCCATTTTACAACACACCAAGGATTG
 GAAAATGTGACTACTGAGAACCTTGAAAAATGGCTTGAAGTAGACAGTACTGAACCAGGCTATGAAGTGT
 TAACTGATAGCGAAATCATCAGAAGAGCACAAGGCCAGGCAGATGAATCCAGTGAATGAGGAGGAGGA
 AATAGAATAATTCCAGAGAAACATATTAATCATGCAGCTGCCCTCCAGTGGACTGAAAATTTATTGGAT
 TATCTAGAAACAACAGGTGATATGATTCTACCTGATAGACTGGTAATACGTAACTTCGAGCCACCATCA
 GAAATAAACAGAAGATGACAAAGTCAAGTCAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

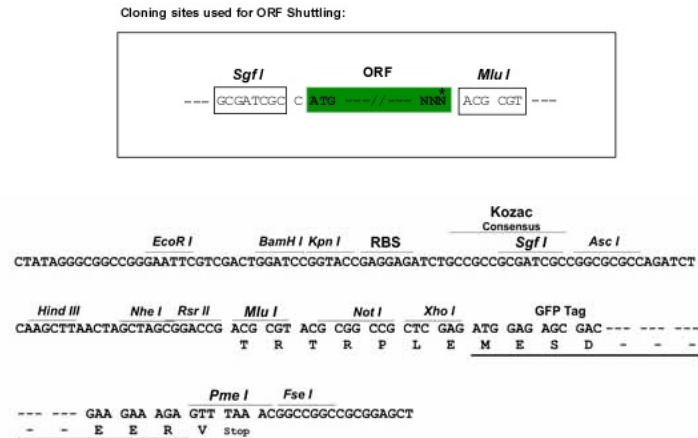
Protein Sequence: >RG215633 representing NM_003772
 Red=Cloning site Green=Tags(s)

MSGKRKRVLTIKDKLDIKKLEDGGSSKQLAVIYIGIETTVDIRKNKEKIITYASSSDSTSLLAKRKS
 MKPSMYEELDRAMLEWFNQRAKGNPISGPICAKRAEFFFYALGMDGDFNPSAGWLTRFKQRHSIREINI
 RNERLNGDETAVEDFCNNFRDFIERENLQPEQIYNADETGLFWKCLPSRISVIK GKCTVPGHKSIEERV
 IMCCANATGLHLKLCVVGKAKKPRSFKSTDTLNLVPSYFSQKGAWMDLSIFRQWFDKIFVPQVREYLR
 KGLQEKAVLLLDNSPHTPNENVLRSDDGQIFAKYLPNVASLIQPSDQGVATMKRNYRAGLLQNNLEEG
 NDLKSFWKLTLLDALYEIAMAWNLVKPTISRAWKKILPMVEEKESLDFDVEDISVATVAAILQHTKGL
 ENVTTENLEKWLEVDSTEPGYEVLTDSEIIRRAQGQADESENEEEEEIELIPEKHINHAAALQWTENLLD
 YLEQQGDMILPDLRVIRKLRTIRNKQKMTKSSQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-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.

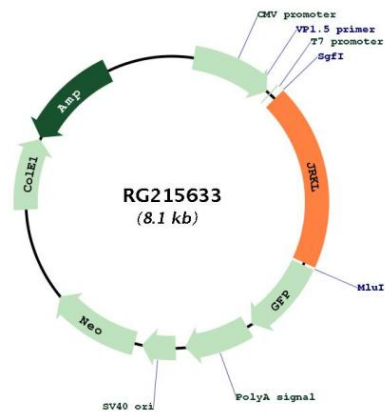
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

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
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 RG215633