

Product datasheet for **SC117752**

JRKL (NM_003772) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	JRKL (NM_003772) Human Untagged Clone
Tag:	Tag Free
Symbol:	JRKL
Synonyms:	HHMJG
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC117752 sequence for NM_003772 edited (data generated by NextGen Sequencing)

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ATGTCAGGGAACGGAAGCGTGTGGTGTGACTATTAAGATAAGCTTGATATAATAAAG
AAACTTGAAGACGGAGGTTCTTCCAAACAACTGGCAGTGATTTATGGAATTGGTGAAACA
ACAGTTCGGGATATAAGAAAAAATAAGGAAAAGATTATAACTTATGCAAGCAGTTCTGAT
TCCACAAGTCTTTTGGCCAAGAGGAAATCTATGAAGCCATCCATGTATGAGGAATTGGAC
AGGGCAATGCTGGAATGGTTCAACCAGCAAAGAGCAAAAGGGAATCCCATATCTGGACCA
ATTTGTGCAAAAAGGGCAGAGTTCTTCTTTTATGCTTTGGGAATGGATGGTGATTTAAC
CCCTCTGCCGGTTGGCTAACTCGTTTTAAGCAGCGGCACAGCATTAGAGAGATTAACATT
AGAAATGAAAGATTAATGGAGATGAGACTGCGGTGGAAGATTTTGTAAATAACTTTGCA
GATTTTATTGAACGAGAGAATTTACAGCCTGAACAAATCTACAATGCAGATGAACTGGA
CTCTTTTGAAGTGCTTGCCTTCTAGGATTTTCAAGTAATCAAAGGTAAATGCACTGTCCCT
GGGCACAAATCAATTGAAGAAAGAGTCACAATCATGTGTGTGCCAATGCAACAGGTTTA
CACAACTTAACTTTGTGTGTGGGAAAGCAAAGAAACCTCGCTCCTTTAAATCAACT
GACACCTTAAACCTGCCAGTCTCTTATTTAGCCAAAAAGGTGCATGGATGGATCTTTCC
ATTTTCCGACAATGGTTTGATAAAATTTTGTGCCGCAAGTTCGAGAGTATTTAAGATCT
AAAGGCTTGCAGGAAAAGGCTGTGCTCTTGTGGATAATTCACCAACACATCCAATGAA
AATGTCCTAAGGTCAGATGATGGCCAAATATTTGCTAAATATTTACCACCTAATGTGGCC
TCATTGATTACGCTTCAGATCAGGGAGTCATAGCAACGATGAAGAGAAATATCGTGCA
GGTCTTCTCCAGAACAACCTTGAAGAAGGTAATGACCTGAAATCATTCTGGAAGAAGCTA
ACTCTGTTGGATGCATTTATGAAATAGCAATGGCATGGAACCTAGTAAAACAGTTACC
ATTAGCAGAGCATGGAAGAAGATTCTCCCTATGGTAGAGGAGAAAGAGAGCCTGGACTTT
GATGTTGAAGATATTTCTGTGGCTACTGTGGCTGCCATTTTACAACACACCAAAGGATTG
GAAAATGTGACTACTGAGAACCTTGAAAAATGGCTTGAAGTAGACAGTACTGAACCAAGGC
TATGAAGTGTTAACTGATAGCGAAATCATCAGAAGAGCACAAGGCCAGGCAGATGAATCC
AGTGAAAATGAGGAGGAGGAAATAGAACTAATTCAGAGAAACATATTAATCATGCAGCT
GCCCTCCAGTGGACTGAAAATTTATTGGATTATCTAGAACAAAGGTGATATGATTCTA
CCTGATAGACTGGTAATACGTAACTTCGAGCCACCATCAGAAATAAACAGAAGATGACA
AAGTCAAGTCAATAA
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Clone variation with respect to NM_003772.3

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003772 unedited

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TTTAAACCACGACTCACTATAGGGCGGCCGCGCAATCGGCACGAGCCTCGTGCCGAATTC
GGCAGCAGGATGGGGCCTCCGCTACTGCCCGTATAAGTTAAAGAAAGGCTGTTCTCTCA
AACTTCCTCCTCTTTACCTTCTTCTGCAGTCTATTTGCCAGCCAACCCAGCCCGGGAG
GGGATCAGGGCCACCAGGTTGCTGGTAAGGATGAAAGACTGAGTGTGTTAAGACTGTTGA
GGTGAGCCTGTGTAAGAGAAGGAAGGATTTGTGGATTGCTACATTGTGAGTGTGGGTG
AGTCCCAGAACCTCGCTATGTACAGGAAACGGAAGCGTGTGGTGTGACTATTAAGATA
AGCTTGATATAATAAAGAAACTTGAAGACGGAGGTTCTTCCAAACAACTGGCAGTGATTT
ATGGAATTGGTGAACAACAGTTCGGGATATAAGAAAAAATAAGGAAAAGATTATAACTT
ATGCAAGCAGTTCTGATTCACAAAGTCTTTTGGCCAAGAGGAAATCTATGAAGCCATCCA
TGTATGAGGAATTGGACAGGGCAATGCTGGAATGGTTCAACCAGCAAAGAGCAAAAGGGA
ATCCCATATCTGGACCAATTTGTGCAAAAAGGGCAGAGTCTTCTTTTATGCTTTGGGAA
TGGATGGTGATTNTAACCCCTCTGCCGGTTGGCTAACTCGTTNTAAGCAGCGGCACAGCA
TTAGAGAGATTAACATTAGAAATGANAGATTAATGGAGATGAGACTGCGGTGGAAGATN
TTCTGTATAACTTTTCGAGATTTATTGAACGAGAGAATTTACAGNCCTGACAAATCTACAT
GCAGATGAAACTGGACTCCTTTGGAAGTGCTTGCCTTC
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_003772 unedited <pre> ATGGACCGGCGGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTTTAAATAAGAAAC AATTGTAATTTATTTTTTAAAAATTTTGGCCAAAACATGAAATAGCATGGGAAACACTT TACTTTTAAATTACAAGTTACATTAATTCATATGTGCAAAGTAGTTTCAATGTCTTGA ATAAACATACTTAGTTTACAAAAAAATTTATCAAAATCTGATTAGATTACATTTTAG CAGATTAATCCCTTTTATATGTATTAATAATAACAATAATTCCTTAGTGTCTGG CACTTTTCAGTAATTATTTCTGCTTCTTCATAAAACAGGATACAAACATATGACTTATTT AAAATCATAAAACCTTTATTATTGTAATTCCTTTTCTCATCAAAGGGCCAGATATGACAA TATTTTTCAAATTATAGACAACATTTGTGAGTATGCAGTAAAAACACTAAAAAAAAAAAA AAAAAACTTATTAATCTCAAATTCCTCAAGATGTTCCCCATATAAGGTGGGAGCTCAT ATCATCATGTAAACATTACAAAACCTGCTCTATAAAATTAGATGAATAAATAATAAAC TATACTATTACCAAATTCATAATAAAAAGATCAACTTACCAAATTAATAATCAGCCTATTT ATTCCCTTTGTATAAATAACCTAAAGTTCCCGAGGTTTTTATTTCCAGTTTCTACAAA TGAATCGATCAGAATGCCTCTTTATAGATCAGCTTTCCCATAGTTCCTCTCTCATTGGC AATACCTTCCATATTTACTTCATTTCAGATAATCTCCCCTCTTGCAACCCACACAATG TAAGAAAATGAAGCCTAATTTCTATTATCCATATTATCCCCCATTATTGATTCATTTTT GATTATATAAATCATCCGGAATTAATATAAACTTCCTATCCTTCAGCCTTCAAATTCC AAACTCTTTAGGAGGTAC </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_003772
Insert Size:	3610 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_003772.2 , NP_003763.2
RefSeq Size:	2930 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]

Transcript Variant: This variant (1) is intronless. Variants 1 and 2 encode the same protein.