

Product datasheet for **SC100271**

JRK (NM_003724) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	JRK (NM_003724) Human Untagged Clone
Tag:	Tag Free
Symbol:	JRK
Synonyms:	jerky; JH8
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_003724, the custom clone sequence may differ by one or more nucleotides

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ATGGCCTCCAAGCCGGCTGCCGGGAAGAGCAGAGGGGAGAAGCGGAAGAGGGTGGTCTGACACTGAAGG
AGAAGATTGACATCTGCACGCGCCTGGAGAAGGGCGAGAGCCGGAAGGCACTGATGCAGGAGTACAATGT
GGCATGTCCACCCTCTACGACATCAGGGCCCAAGGCGCAGCTGCTCCGGTTCTTCGCCAGCTCCGAC
TCCAACAAGGCGCTGGAGCAGCGGCGCACGCTGCACACGCCAAGCTGGAGCACCTGGACCCTGCTGT
ACGAGTGGTTCTGGGAAGCGCTCCGAGGGCGTCCCGTGTGTCAGGCCCATGCTCATCGAGAAGGCCAA
GGACTTCTACGAGCAGATGCAGCTCACTGAGCCCTGCGTGTCTCCGGAGGGTGGCTTTGGCGCTTAAG
GCCAGACACGGCATTAAAAAGCTAGATGCATCCAGTAAAAGCAGTCAAGCCGACCACCAGGCCGCGGAGC
AGTTCTGTGCGTTTTTCAGGAGCTTGGCTGCTGAGCACGGGCTGTCGCCGAGCAGGTTTACAACGCTGA
TGAGACCGGCCTTTCTGGCGGTGCTGCCAAATCCCCTCCGGAAGGCGGGGCTGTGCCTGGCCCCAAG
CAGGGCAAGGACCGGCTGACCGTGTGATGTGTGCCAACGCCACGGGCTCCACAGGCTCAAGCCCTTGG
CCATCGGGAAGTGCAGCGGTCCAGGGCTTTCAAAGGCATCCAGCACCTGCCCGTGCCTATAAGGCCCA
GGGAACGCCTGGGTGGACAAGGAGATTTTTCCGATTGGTTCCATCATATCTTTGTGCCCTCGGTGAGA
GAGCACTTCAGAACCATAGGTTTGCCGGAAGACAGCAAAGCCGTTCTCTTGTGGACAGCTCCCGGGCTC
ACCCGACAGGAGCCGAGCTGGTGTCCAGTAACGTTTTCCACCATCTTCTGCTGCCAGCGTGGCCTCATT
GGTGCAGCCCATGGAGCAGGGCATTTCGGAGAGATTTTATGAGGAACTTCATTAACCCTCCGGTCCCCCTG
CAGGGCCCCACGCCGCTACAACATGAACGATGCCATATTCAGCGTGGCCTGTGCCTGGAACGCAGTCC
CTAGCCACGTCTTCAGGCGGGCTGGAGGAAGCTGTGGCCGTCGTTGCGTTTCCGAAGGCTCCTCCTC
TGAGGAGGAGTTGGAGGCAGAGTGCTTCCAGTGAAGCCCCACAACAAGTCTTTGCACACATCCGGG
CTTGTGAAGGAAGGCTCCTCCTGCCCGGGCCAGCTTCCAGCGCCAGGCCAGGCCAGCTGGGGGTAGCGG
GAAGGGAGGCAGAAAGGGGACGGCCCCCTGCTGCCACGTGCCACAGCAGAGGTTGTGTGGAGTTTCAAAAA
GACTCCGAAAGCTGACCAGGACGCGCAGAGGAGATCCTGGTGGAGGCGAGGAGGTGGCCTGGGAGCAGGCG
GCCGTGGCCTTTGACGAGTCTGCGCTTTGCGGAGCGGCAGCCATGCTTCAGTGCAGGAAAGTGGGGC
AGCTGCGGGCGTGCCTGCCGTTTCCGGAGCCAGCAGGAGGAGGCGGCGTGGTCCCTCGGGG
TGTGGTCAAGGTTGAAGCCCTCCAGGAGGGCCCTGGTGGCTGTGGGGCCACAGCTCAGTCTCCCTTGCC
TGCTCATCCACAGCAGGTGACAACCTGA
    
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5' Read Nucleotide Sequence: >OriGene 5' read for NM_003724 unedited

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CGGCCCGCAATTCGGCACGAGGCCAGGCGTGTGTCCTGCAAGTGCTAGGACCAGCCACCC
CTCCCCATGGCCTCCAAGCCGGCTGCCGGGAAGAGCAGAGGGGAGAAGCGGAAGAGGGTG
GTGCTGACACTGAAGGAGAAGATTGACATCTGCACGCGCCTGGAGAAGGGCGAGAGCCGG
AAGGCACTGATGCAGGAGTACAATGTGGCATGTCCACCCTCTACGACATCAGGGCCAC
AAGGCGCAGCTGCTCCGTTCTTCGCCAGCTCCAGTCCAACAAGGCGCTGGAGCAGCGG
CGCACGCTGCACACGCCCAAGCTGGAGCACCTGGACCAGGCTCCTGTACGAGTGGTTCTG
GGGAAGCGCTCCGAGGGCGTCCCGTGTGTCAGGCCCATGCTCATCGAGAAGGCCAAGGAC
TTCTACGAGCAGATGCAGCTCACTGAGCCCTGCGTGTCTCCGGAGGGTGGCTTTGGCGC
TTTAAGGCCAGACACGGCATTAAAAAGCTAGATGCATCCAGTAAAAGCAGTCAAGCCGAC
CACCAGGCCGCGGAGCAGTTCTGTGCGTTTTTCAGGAGCTTGGCTGCTGAGCACGGGCTG
TCCGCCGAGCAGGTTTACAACGCTGATGAGACCGCCTTTTTCTGGCGGTGCTGCCAAA
TCCCACTCCGGAAGGCGGGGCTGTGCTGGCCCCAGCAGGGCAGGACCGGCTGACCC
    
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Restriction Sites: NotI-NotI
ACCN: NM_003724
Insert Size: 2500 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](#)

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_003724.1](#), [NP_003715.1](#)

RefSeq Size: 9124 bp

RefSeq ORF: 1707 bp

Locus ID: 8629

UniProt ID: [O75564](#)

Cytogenetics: 8q24.3

Domains: DDE, CENPB, CENP-B_N

Protein Families: Transcription Factors

Gene Summary: This gene encodes a conserved protein that is similar to DNA-binding proteins, such as major centromere autoantigen B (CENPB). Inactivation of the related gene in mice resulted in epileptic seizures. Childhood Absence Epilepsy (CAE) has been mapped to the same chromosomal location (8q24.3) as this gene. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (a). Sequence Note: The RefSeq transcript was derived from the reference genome assembly. The genomic coordinates were determined from alignments.