

## Product datasheet for **SC336776**

### JRK (NM\_001279352) Human Untagged Clone

#### Product data:

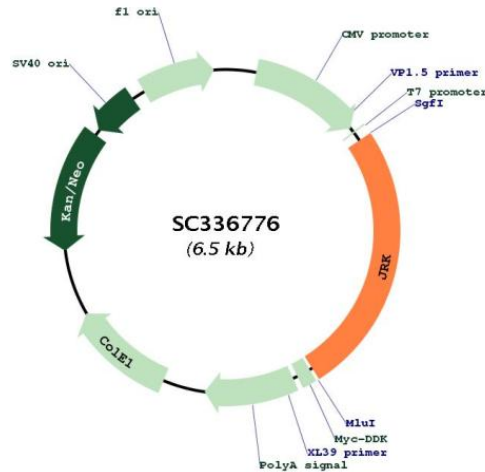
**Product Type:** Expression Plasmids  
**Product Name:** JRK (NM\_001279352) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** JRK  
**Synonyms:** jerky; JH8  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC336776 representing NM\_001279352.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGGCCTCCAAGCCGGCTGCCGGGAAGAGCAGAGGGGAGAAGCGGAAGAGGGTGGTCTGACACTGAAG
GAGAAGATTGACATCTGCACGCGCTGGAGAAGGGCGAGAGCCGGAAGGCACTGATGCAGGAGTACAAT
GTGGGCATGTCCACCCTCTACGACATCAGGGCCCAAGGCGCAGCTGCTCCGGTTCTTCGCCAGCTCC
GACTCCAACAAGGCGCTGGAGCAGCGGCGCAGCTGCACACGCCAAGCTGGAGCACCTGGACCGCTC
CTGTACGAGTGGTTCTGGGAAGCGCTCCGAGGGCGTCCCGTGTGAGGCCCATGCTCATCGAGAAG
GCCAAGGACTTCTACGAGCAGATGCAGCTCACTGAGCCCTGCGTGTCTCCGGAGGGTGGCTTTGGCGC
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GCGGAGCAGTTCTGTGCGTTTTTCAGGAGCTTGGCTGCTGAGCACGGGCTGTCCGCCGAGCAGGTTAC
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TATAAGGCCAGGGGAACGCCTGGGTGGACAAGGAGATTTTTCCGATTGGTCCATCATATCTTTGTG
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AGCTCCCGGGCTCACCCGAGGAGCCGAGCTGGTGTCCAGTAACGTTTTCCACATCTTCCCTGCCGCC
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GCCTGGAACGCAGTCCCTAGCCAGTCTTCAGGCGGGCCTGGAGGAAGCTGTGGCCGTCGGTTGCGTTT
GCCGAAGGCTCCTCCTGAGGAGGAGTTGGAGGCAGAGTGCTTCCAGTGAAGCCCCACAAGTCC
TTTGCACACATCCTGGAGCTTGTGAAGGAAGGCTCCTCCTGCCCGGGCCAGCTTCGCCAGCGCCAGGCC
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GTTGTGTGGAGTTCAGAAAAGACTCCGAAAGCTGACCAGGACGGCAGAGGAGATCCTGGTGAAGGCGAG
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TTCAAGTGCAGGAAGTGGGGCAGCTGCCGGCGCTGCGTGCCGTGTTCCGGAGCCAGCAGAGGAGACT
GTGGGCCTTGAGGATGTGGTAGTGACCTCACCAGAGGAGTTGGCAATTCCTAAGTGTGCTGGAGGCC
TCTACAGAGACATAA
```

**Restriction Sites:** SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001279352

**Insert Size:** 1671 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\\_001279352.1](#)

**RefSeq Size:** 2850 bp

**RefSeq ORF:** 1671 bp

**Locus ID:** 8629

**UniProt ID:** [O75564](#)

**Cytogenetics:** 8q24.3

**Protein Families:** Transcription Factors

**MW:** 61.8 kDa

**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 (3) uses an alternate exon structure in the 3' region, which results in a frameshift, compared to variant 1. The resulting isoform (b) is shorter and has a distinct C-terminus compared to isoform a. Variants 2 and 3 encode the same isoform (b).

**Sequence Note:** The RefSeq transcript was derived from the reference genome assembly. The genomic coordinates were determined from alignments.