

Product datasheet for **SC315588**

JRK (NM_001077527) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	JRK (NM_001077527) Human Untagged Clone
Tag:	Tag Free
Symbol:	JRK
Synonyms:	jerky; JH8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



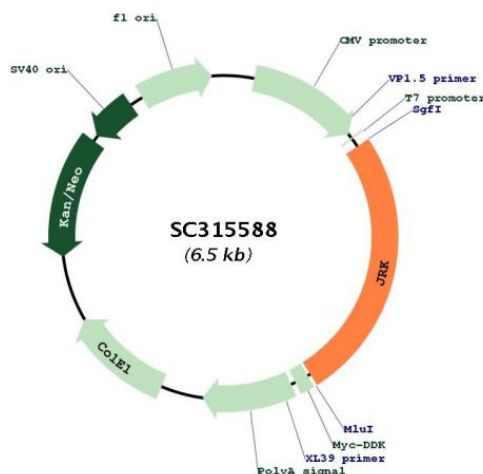
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Fully Sequenced ORF: >SC315588 representing NM_001077527.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGGCCTCCAAGCCGGCTGCCGGGAAGAGCAGAGGGGAGAAGCGGAAGAGGGTGGTGTGACTGAAAG
GAGAAGATTGACATCTGCACGCGCTGGAGAAGGGCGAGAGCCGGAAGGCACTGATGCAGGAGTACAAT
GTGGGCATGTCCACCCTCTACGACATCAGGGCCACAAGGCGCAGCTGCTCCGGTTCTTCGCCAGCTCC
GACTCCAACAAGGCGCTGGAGCAGCGGCCACGCTGCACACGCCAAGCTGGAGCACCTGGACCGGCTC
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TCTACAGAGACAATA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: Sgfl-Mlul

Plasmid Map:



ACCN: NM_001077527

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001077527.2](#)

RefSeq Size: 3591 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 (2) 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.