

## Product datasheet for **RG238882**

### JRK (NM\_001279352) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	JRK (NM_001279352) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	JRK
Synonyms:	jerky; JH8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG238882 representing NM\_001279352.  
 Blue=ORF Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGCCTCCAAGCCGGCTGCCGGGAAGAGCAGAGGGGAGAAGCGGAAGAGGGTGGTGCTGACACTGAAG
GAGAAGATTGACATCTGCACGCGCTGGAGAAGGGCGAGAGCCGGAAGGCACTGATGACAGGAGTACAAT
GTGGGCATGTCCACCCTCTACGACATCAGGGCCACAAGGCGCAGCTGCTCCGGTCTTCGCCAGCTCC
GACTCCAACAAGGCGCTGGAGCAGCGGCCACGCTGCACACGCCCAAGCTGGAGCACCTGGACCGGCTC
CTGTACGAGTGGTTCCTGGGGAAGCGCTCCGAGGGCGTCCCGTGTCAGGCCCATGCTCATCGAGAAG
GCCAAGGACTTCTACGAGCAGATGCAGCTCACTGAGCCCTGCGTGTCTCCGGAGGGTGGCTTTGGCGC
TTTAAGGCCAGACACGGCATTAAAAAGCTAGATGCATCCAGTGAAGAGCAGTCAGCCGACCACCAGGCC
GCGGAGCAGTTCTGTGCGTTTTTCAGGAGCTTGGCTGCTGAGCACGGGCTGTCCGCCGAGCAGGTTTAC
AACGCTGATGAGACCGGCTTTTCTGGCGTGCCTGCCAATCCCACTCCGGAAGCGGGGCTGTGCTT
GGCCCAAGCAGGCAAGGACCGGCTGACCGTGTGATGTGTGCCAACGCCACGGGCTCCACAGGCTC
AAGCCCTTGCCATCGGGAAGTGCAGCGGTCCAGGGCTTCAAAGGCATCCAGCACCTGCCCGTCCGCC
TATAAGGCCCAGGGGAACGCCTGGTGGACAAGGAGATTTTTTCCGATTGGTCCATCATATCTTTGTG
CCCTCGGTGAGAGAGCACTTCAGAACCATAGGTTTGCCGGAAGACAGAAAGCCGTTCTCTTGTGGAC
AGCTCCCGGGCTCACCCGAGGAGCGGAGCTGGTGTCCAGTAACGTTTTTACCATCTTCTGCCTGCC
AGCGTGGCCTCATTGGTGCAGCCATGGAGCAGGGCATTCCGAGAGATTTCATGAGGAACTTCATTAAC
CCTCCGGTCCCGTGCAGGGCCCCACGCCCGTACAACATGAACGATGCCATATCAGCGTGGCCTGT
GCCTGGAACGCAGTCCCTAGCCACGCTTTCAGGCGGGCCTGGAGGAAGCTGTGGCCGTCGGTTGCGTTT
CCCGAAGGCTCCTCCTCTGAGGAGGAGTTGGAGGCAGAGTGCTTCCAGTGAAGCCCAACAAGTCC
TTTGCACACATCCTGGAGCTTGTGAAGGAAGGCTCCTCCTGCCCGGCCAGCTTCCGCCAGCGCCAGGCC
GCCAGCTGGGGGTAGCGGGAAGGAGGAGAAGGGGACGGCCCTGCTGCCACGTCGCCAGCAGAGAG
GTTGTGTGGAGTTCAGAAAAGACTCCGAAAGCTGACCAGGACGGCAGAGGAGATCCTGGTGAGGGCAG
GAGGTGGCCTGGGAGCAGGCGGCCGTGGCTTTGACGCAGTCTGCGCTTTCGGAGCCAGCAGCCATGC
TTCAGTGCAGGAAGTGGGCGAGCTGCGGGCGTGCCTGCCGTTTCCGGAGCCAGCAGCAGGAGACT
GTGGCCCTTGAGGATGTGGTAGTGACCTACCAGAGGAGTTGGCAATTCTAAGTGCTGCCTGGAGGCC
TCTACAGAGACA
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAAAC
  
```

**Protein Sequence:**

>Peptide sequence encoded by RG238882  
 Blue=ORF Red=Cloning site Green=Tag(s)

```

MASKPAAGKSRGEKRRVVLTLKEKIDICTRLEKGESRKALMQEYNVGMSTLYDIRAHKAQLLRFFASS
DSNKALEQRRTLHTPKLEHLDRVLYEWFLGKRSEGVPSVSGPMLIEKAKDFYEQMQLTEPCVFSGGWLWR
FKARHGIIKLDASSEKQSADHQAAEQCAFFRSLAAEHGLSAEQVYNADETGLFWRCLPNPTPEGGAVP
GPKQGDRLTVLMCANATGSHRLKPLAIGKCSGPRAFKGIQHLPVAYKAQGNAWVDKEIFSDWFHIFV
PSVREHFRTIGLPEDSKAVLLDSSRAHPQEAELVSSNVFTIFLPASVASLVQPMEQGIRDRFMRNFIN
PPVPLQGPHARYNMNDAIFSVACAWNAVPSHVFRRAWRKLWPSVAFAEGSSEEELEAECFPVKPHNKS
FAHILELVKEGSSCPGQLRQRQAASWGVAGREAEGGRPPAATSPAEVVWSSEKTPKADQDGRGDPGEGE
EVAWEQAAVAFDAVLRFAERQPCFSAEQVGQLRALRAVFRSQQQETVGLEDDVVVTSPEELAIPKCCLEA
STET
TRTRPLEMESDESLPAMEIECRITGTLNGVEFELVGGGEGTPEQRMTNKMKSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNLDGSFTRTFLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEDHSNTELGIVEYQHAFKTPDADAGEERV
  
```

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_001279352

**ORF Size:** 1668 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).

**RefSeq:** [NM\\_001279352.2](#)

**RefSeq Size:** 2850 bp

**RefSeq ORF:** 1671 bp

**Locus ID:** 8629

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

**Cytogenetics:** 8q24.3

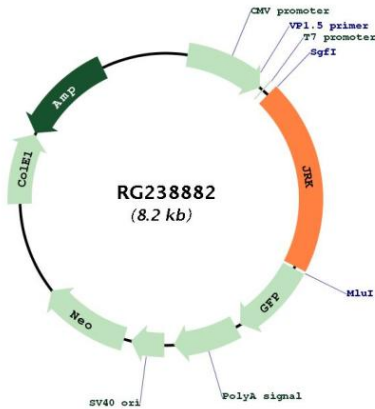
**Protein Families:** Transcription Factors

**MW:** 62.3 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]

**Product images:**



Circular map for RG238882