

## Product datasheet for **RC232969**

### **ROD1 (PTBP3) (NM\_001244898) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ROD1 (PTBP3) (NM_001244898) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ROD1
Synonyms:	ROD1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC232969 representing NM\_001244898  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGACGCTTCCCCTCACCTTTCTCTCCCCAAGAACTTAATGAATTATCTGCCGTCGGGGATCTG  
 ATGAGCTTCTTTCTTCTGGCATCATTAACGGACCTTTTACCATGAATAGTTCTACTCCTTCTACAGCTAA  
 TGGGAATGACAGCAAGAAATTTAAACGAGATAGACCTCCCTGTTTCGCCTTCCCCTGTTCTCCATCTTCGA  
 AAAATTCATGTGATGTACCGAAGCAGAGATCATATCATTAGGTCTACCATTTGGCAAAGTAACTAATC  
 TTTTGTGTTGAAAGGAAAAAGCCAGGCTTTCTTAGAAATGGCTTCTGAGGAAGCTGCCGTTACTATGGT  
 GAATTATTACACTCCTATTACTCCTCACCTTCGAAGCCAGCCTGTTTATATTTCAGTATTCCAATCACAGA  
 GAACCTAAGACTGACAATCTACCTAATCAAGCTCGAGCCCAAGCTGCACTGCAGGCTGTCAGTCCGCTCC  
 AATCAGGAAGCCTGGCCCTTTCTGGAGGTCCTTCCAATGAAGGCACAGTCTACCTGGGCAGAGCCCTGT  
 GCTTCGAATAATTATTGAAAACCTTTTTACCCTGTTACCCTGGAAGTTCTTCATCAGATATTTTCTAAA  
 TTTGGCACAGTCTGAAGATTATCACCTTTACAAGAATAATCAGTTTCAAGCCTTGCTTCAGTATGCTG  
 ACCCAGTAAATGCACATTATGCCAAAATGGCTCTGGATGGCCAGAATATCTATAATGCATGCTGCACTCT  
 GCGCATTGACTTCTCAAGCTCACACGCTTAATGTGAAATATAATAATGACAAAAGCAGAGACTTCACT  
 CGCTTAGACCTTCTACTGGTATGGCCAGCCATCCCTTGAACCCCTATGGCTGCTGCTTTTGGTGAC  
 CGGGTATAATTTCTTACCATATGCAGGGGCTGCTGGATTTGCCCCAGCCATTGGATTTCTCAAGCTAC  
 AGGTCTATCAGTCCAGCTGTTCTGGAGCTCTGGTCTCTCACAAATCACCTCTTCTGCTGCTACTGGA  
 AGGATGCCATTCTGGGGCTAGTGGTATACCAGGAAATCTGTTCTACTCGTCACAAATCTCAATCCTG  
 ATCTTATCACACCACATGGGCTTTTTATCTATTTGGAGTCTATGGTATGTACATCGAGTGAAGATTAT  
 GTTTAATAAGAAAAGAAAATGCCTTGGTTTCAGATGGCGGATGCAAAATCAAGCTCAGCTAGCAATGAACCAT  
 CTAAGTGGTCAGAGACTTTATGGGAAAGTCTCGTGCTACACTGTCAAACATCAAGCAGTACAGCTTCT  
 CTCGAGAGGGACAAGAAGACCAAGGCTGACTAAGGATTTAGCAATAGTCCCTTGCATCGCTTTAAAAA  
 GCCGGGCTCTAAAAACTTCCAGAATATCTTTCCACCATCAGCCACTCTGCATCTTTCCAACATCCCCCT  
 TCTGTTACAGTGGATGATCTGAAGAACCTTTTCATAGAAGCTGGATGTTTCAGTGAAGGCTTTTAAATCT  
 TTCAGAAAGATCGAAAATGGCGCTCATTCAATGGGATCTGTGGAAGAAGCAATTCAGGCCCTCATTGA  
 GCTTCATAACCATGACCTTGAGAAAATCACACCTCAGAGTTTCTTCTCAAAATCTACAATC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC232969 representing NM\_001244898  
 Red=Cloning site Green=Tags(s)

MDASPSFSLPKKLNELNLSARRGSDLLSSGIINGPFTMNSSTPSTANGNDSKKFKRDRPPCSPSRVLHLR  
 KIPCDVTEAEIISLGLPFGKVTNLLMLKGKSQAFLEMASEEAAVTMVNYYPITPHLRSQPVIYQVSNHR  
 ELKTDNLPNQARAQAALQAVSAVQSGSLALSGGPSNEGTVLPGQSPVLRRIIENLFPVTLVHLHQIFSK  
 FGTVLKIIITFTKNNQFQALLQYADPVNAHYAKMALDQNIYNACCTLRIDFSKLTSLNVKYNNDKSRDFT  
 RLDLPTGDGQPSLEPPMAAFAFGAPGIISPYAGAAGFAPAIGFPQATGLSVPVAVPALGPLTITSSAVTG  
 RMAIPGASGIPGNSVLLVTNLNPDILITPHGLFILFGVYGDVHRVKIMFNKKNALVQMADANQAQLAMNH  
 LSGQRLYGKVLRAATLSKHQAVQLPREGQEDQGLTKDFSNSPLHRFKKPGSKNFQNIFFPSATLHLNIPP  
 SVTVDDLKNIIEAGCSVKAFKFFQKDRKMALIQLGSVEEAIQALIELHNHDLGENHHLRVSFKSTI

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001244898

**ORF Size:** 1674 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).

- 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\\_001244898.1](#), [NP\\_001231827.1](#)

**RefSeq Size:** 8009 bp

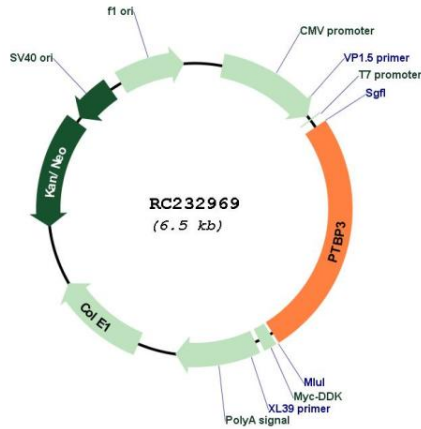
**RefSeq ORF:** 1677 bp

**Locus ID:** 9991

**UniProt ID:** [O95758](#)

**Cytogenetics:** 9q32  
**Protein Families:** Druggable Genome  
**MW:** 60.9 kDa  
**Gene Summary:** The protein encoded by this gene binds RNA and is a regulator of cell differentiation. The encoded protein preferentially binds to poly(G) and poly(U) sequences in vitro. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]

**Product images:**



Circular map for RC232969