

Product datasheet for **SC327082**

ROD1 (PTBP3) (NM_001163790) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ROD1 (PTBP3) (NM_001163790) Human Untagged Clone
Tag:	Tag Free
Symbol:	ROD1
Synonyms:	ROD1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC327082 representing NM_001163790.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGATGGTGTGTTACAGATCTTATAACAGTCGGTTTAAAGCGGGGATCTGATGAGCTTCTTTCTCT
GGCATCATTAAACGACCTTTTACCATGAATAGTTCTACTCCTTACAGGTGTGATGCTAATGGGAAT
GACAGCAAGAAATTTAAACGAGATAGACCTCCCTGTTTCGCTTCCCGTGTCTCCATCTTCGAAAAATT
CCATGTGATGTCACCGAAGCAGAGATCATATCATTAGGTCTACCATTTGGCAAAGTAACTAATCTTTTG
ATGTTGAAAGGAAAAAGCCAGGCTTTCTTAGAAATGGCTTCTGAGGAAGCTGCCGTTACTATGGTGAAT
TATTACACTCCTATTACTCCTCACCTTCGAAGCCAGCCTGTTTATATTCAAGTATTCCAATCACAGAGAA
CTTAAGACTGACAATCTACCTAATCAAGCTCGAGCCCAAGCTGCACTGCAGGCTGTCAGTGCCGTCCTAA
TCAGGAAGCCTGGCCCTTTCTGGAGTCTTCCAATGAAGGCACAGTCTACCTGGGCAGAGCCCTGTG
CTTCGAATAATTATTGAAAACCTCTTTTACCCTGTTACCCTGGAAGTCTTCATCAGATATTTTCTAAA
TTTGGCACAGTCTGAAGATTATCACCTTTACAAAGAATAATCAGTTTCAAGCCTTGCTTCAGTATGCT
GACCCAGTAAATGCACATTATGCCAAAATGGCTCTGGATGGCCAGAATATCTATAATGCATGCTGCACT
CTGCGCATTGACTTCTCCAAGCTCACCAGCCTTAATGTGAAATATAATAATGACAAAAGCAGAGACTTC
ACTCGCTTAGACCTTCTACTGGTATGGCCAGCCATCCCTTGAACCCCTATGGCTGCTGCTTTTGGT
GCACCGGTATAATTTCTTACCATATGCAGGGGCTGCTGGATTTGCCCCAGCCATTGGATTTCTCAA
GCTACAGGTCTATCAGTCCAGCTGTTCTGGAGCTCTGGTCTCTACAATCACCTCTTCTGTGTC
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AATCCTGATCTTATCACACCACATGGGCTTTTTATCCTATTTGGAGTCTATGGTGTATACATCGAGTG
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ATGAACCATCTAAGTGGTCAGAGACTTTATGGGAAAGTCTTCGTGCTACACTGTCCAAACATCAAGCA
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CGCTTTAAAAAGCCGGGCTCTAAAAACTCCAGAATATCTTTCCACCATCAGCCACTCTGCATCTTTCC
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GCTTTTAAATTCTTTAGAAAGATCGAAAATGGCGCTCATTCAATTGGGATCTGTGGAAGAAGCAATT
CAGGCCCTCATTGAGCTTCATAACCATGACCTTGGAGAAAATCACCACCTCAGAGTTTCTTCTCAAAA
TCTACAATCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001163790

Insert Size: 1668 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_001163790.2](#)

RefSeq Size: 8004 bp

RefSeq ORF: 1668 bp

Locus ID: 9991

UniProt ID: [O95758](#)

Cytogenetics: 9q32

Protein Families: Druggable Genome

MW: 60 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]

Transcript Variant: This variant (3) differs in the 5' UTR and coding sequence and uses an alternate in-frame splice junction at the 3' end of an exon compared to variant 6. The resulting isoform (3) has a shorter and distinct N-terminus and contains an alternate short internal segment compared to isoform 6. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.