

## Product datasheet for **RC232955**

### **ROD1 (PTBP3) (NM\_001244897) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ROD1 (PTBP3) (NM_001244897) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PTBP3
Synonyms:	ROD1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RC232955 representing NM\_001244897  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAATAGTTCTACTCCTTCTACAGGTGTGTATGCTAATGGGAATGACAGCAAGAAATTTAAACGAGATA  
 GACCTCCCTGTTTCGCTTCCCGTGTTCATCTTCGAAAAATCCATGTGATGTACCCGAAGCAGAGAT  
 CATATCATTAGGTCTACCATTTGGCAAAGTAACTAATCTTTTGATGTTGAAAGGAAAAAGCCAGGCTTTC  
 TTAGAAATGGCTTCTGAGGAAGCTGCCGTTACTATGGTGAATTATTACACTCCTATTACTCCTCACCTTC  
 GAAGCCAGCTGTTTATATTCAAGTATTCCAATCACAGAGAAGCTAAGACTGACAATCTACCTAATCAAGC  
 TCGAGCCCAAGCTGCACTGCAGGCTGTCAAGTCCCAATCAGGAAGCCTGGCCCTTTCTGGAGGTCT  
 TCCAATGAAGGCACAGTCTACCTGGGCAGAGCCCTGTGCTTCAATAATTATTGAAAACCTCTTTTACC  
 CTGTTACCCTGGAAGTTCTTCATCAGATATTTTCTAAATTTGGCACAGTCTTGAAGATTACACCTTTAC  
 AAAGAATAATCAGTTTCAAGCCTTGCTTCAGTATGCTGACCCAGTAAATGCACATTATGCCAAAATGGCT  
 CTGGATGGCCAGAATATCTATAATGCATGCTGCACTCTGCGCATTGACTTCTCCAAGCTACCCAGCCTTA  
 ATGTGAAATATAATAATGACAAAAGCAGAGACTTCACTCGCTTAGACCTTCTACTGGTGTGAGCCAGCC  
 ATCCCTTGAACCCCTATGGCTGCTGCTTTGGTGCACCCGGTATAATTTCTTACCATATGCAGGGGCT  
 GCTGGATTTGCCCCAGCCATTGGATTTCTCAAGTACAGGTCTATCAGTTCAGCTGTTCTGGAGCTC  
 TTGGTCTCTCACAATCACCTCTTCTGCTGCTACTGGAAGGATGGCCATTCTGGGGCTAGTGGTATACC  
 AGGAAATCTGTTCTACTCGTCACAAATCTCAATCCTGATCTTATCACACCACATGGGCTTTTTATCCTA  
 TTTGGAGTCTATGGTGTACATCGAGTGAAGATTATGTTTAAAGAAAGAAAATGCCTGGTTTCAGA  
 TGGCGGATGCAAAATCAAGCTCAGCTAGCAATGAACCATTAAGTGGTCAAGAGACTTTATGGGAAAGTCT  
 TCGTGCTACACTGTCAAACATCAAGCAGTACAGCTTCCCTCGAGAGGGACAAGAAGACCAAGGCTGACT  
 AAGGATTTCAAGCAATAGTCTTTGCATCGCTTTAAAAAGCCGGGCTCTAAAAACTTCCAGAATATCTTTC  
 CACCATCAGCCACTCTGCATCTTCCAACATCCCCCTTCTGTTACAGTGGATGATCTGAAGAACCTTTT  
 CATAGAAGCTGGATGTTCAAGTGAAGGCTTTTAAATTTCTTTCAGGGTCTCGCCAACCTGGGCTCAAGTG  
 ATTCTCTGCTTCCACCTCCACAGTGTGGGATTACAGGCATGAGCCACCACGCTGGCTCTCTGTTC  
 TTTTCAGTGTCTCGTGCCATCAGTCAGCAGTGTACATGTTTAGCATATTGCATGCAGTTTCTCTTC  
 TGTTCCACGAGATATTTTGGACAAAAAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC232955 representing NM\_001244897  
 Red=Cloning site Green=Tags(s)

MNSSTPSTGVYANGNDSKKFKRDRPPCSPSRVHLHRKIPCDVTEAEIISLGLPFGKVTNLLMLKGKSQAF  
 LEMASEEAAVTMVNYYPITPHLRSQPVIQYSNHRELKTDNLPNQARAQALQAVSAVQSGSLALSGGP  
 SNEGTVLPGQSPVLRRIIENLFYPTLEVLHQIFSKFGTVLKIITFTKNNQFQALLQYADPVNAHYAKMA  
 LDGQNIYNACCTLRIDF SKL TSLNVKYNNDKSRDFTRLDLPTGDGQPSLEPPMAAAF GAPGISSPYAGA  
 AGFAPAI GF PQATGLS VPAVPGALGPLTITSSAVTGRMAIPGASGIPGNSVLLVTNLNPD LITPHGLFIL  
 FGVYGDVHRVKIMFNKKNALVQMADANQAQLAMNHL SGQRLYGVLRATLSKHQAVQLPREGQEDQGLT  
 KDFSNSPLHRFKKPGSKNFQNI FPPSATLHL SNIPPSVTVDLKNL FIEAGCSVKAFKFFQGLANSWAQV  
 ILLLPPPHSAGITGMSHHAWLSVLF SVSVSVSSAYMFSILSCSFSSVPTRYFWTKN

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

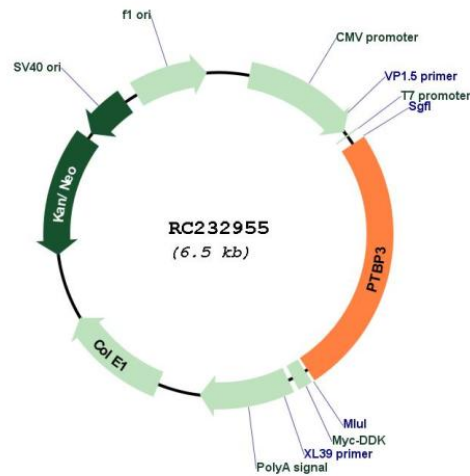
SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

**Plasmid Map:**


<b>ACCN:</b>	NM_001244897
<b>ORF Size:</b>	1641 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001244897.2</a>
<b>RefSeq Size:</b>	4360 bp
<b>RefSeq ORF:</b>	1644 bp
<b>Locus ID:</b>	9991
<b>UniProt ID:</b>	<a href="#">O95758</a>
<b>Cytogenetics:</b>	9q32
<b>Protein Families:</b>	Druggable Genome
<b>MW:</b>	59.6 kDa
<b>Gene Summary:</b>	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]