

Product datasheet for **RG232780**

ROD1 (PTBP3) (NM_001244896) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ROD1 (PTBP3) (NM_001244896) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PTBP3
Synonyms:	ROD1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG232780 representing NM_001244896
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTTTCTTAGAAATGGCTTCTGAGGAAGCTGCCGTTACTATGGTGAATTATTACACTCCTATTACTC
 CTCACCTTCGAAGCCAGCCTGTTTATATTCAGTATTCCAATCACAGAGAAGCTTAAGACTGACAATCTACC
 TAATCAAGCTCGAGCCCAAGCTGCACTGCAAGGCTGTCAGTGCCGTCGAATCAGGAAGCCTGGCCCTTTCT
 GGAGGTCCTTCCAATGAAGGCACAGTCTACCTGGGCAGAGCCCTGTGCTTCAATAATTATTGAAAACC
 TCTTTTACCCTGTACCCTGGAAGTTCTTCATCAGATATTTTCTAAATTTGGCACAGTCTTGAAGATTAT
 CACCTTTACAAGAATAATCAGTTTCAAGCCTTGCTTCAGTATGCTGACCCAGTAAATGCACATTATGCC
 AAAATGGCTCTGGATGGCCAGAATATCTATAATGCATGCTGCACTCTGCGCATTGACTTCTCAAGCTCA
 CCAGCCTTAATGTGAAATATAATAATGACAAAAGCAGAGACTTCACTCGCTTAGACCTTCTACTGGTGA
 TGCCAGCCATCCCTGAACCCCTATGGCTGCTGCTTTTGGTGCACCGGTATAATTTCTCACCATAT
 GCAGGGGCTGCTGGATTTGCCCCAGCCATTGGATTTCTCAAGCTACAGGTCTATCAGTTCCAGCTGTT
 CTGGAGCTCTGGTCTCTCACAAATCACCTCTTCTGCTGCTCACTGGAAGGATGGCCATTCCTGGGGCTAG
 TGGTATACCAGGAAATCTGTTCTACTCGTCACAAATCTCAATCCTGATCTTATCACACCACATGGGCTT
 TTTATCTATTTGGAGTCTATGGTGATGTACATCGAGTGAAGATTATGTTTAATAAGAAAGAAAATGCCT
 TGGTTCAGATGGCGGATGCAATCAAGCTCAGCTAGCAATGAACCATCTAAGTGGTCAGAGACTTTATGG
 GAAAGTGCTTCGTGTACACTGTCCAAACATCAAGCAGTACAGCTTCTCGAGAGGGACAAGAAGACCAA
 GGTCTGACTAAGGATTTAGCAATAGTCTTTGCATCGCTTTAAAAGCCGGGCTCTAAAACTTCCAGA
 ATATCTTTCCACCATCAGCCACTCTGCATCTTTCCAACATTTCCCCTTCTGTTACAGTGGATGATCTGAA
 GAACCTTTTCATAGAAGCTGGATGTTTCAAGTGAAGGCTTTTAAATCTTTTCAAGAAAGATCGCAAAATGGCG
 CTCATTCAATTGGGATCTGTGGAAGAAGCAATTCAGGCCCTCATTGAGCTTCATAACCATGACCTTGGAG
 AAAATCACCACTCAGAGTTTCTTCTCAAATCTACAATC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG232780 representing NM_001244896
 Red=Cloning site Green=Tags(s)

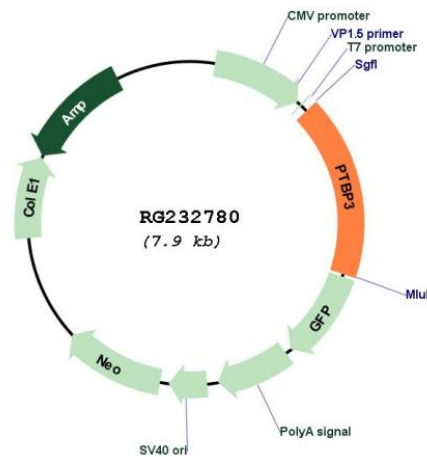
MAFLEMASEEAAVTMVNYTPIPHLRSPVYIQYSNHRELKTDNLPNQARAQAALQAVSAVQSGSLALS
 GGPSNEGTVLPGQSPVLRIIENLFPVTLVHLHQIFSKFGTVLKIITFTKNNQFQALLQYADPVNAHYA
 KMALDGQNIYNACCTLRIDFSKLTSLNVKYNNDKSRDFTRLDLPTGDGQPSLEPPMAAFGAPGISSPY
 AGAAGFAPAIGFPQATGLSVPVPGALGPLTITSSAVTGRMAIPGASGIPGNSVLLVTNLNPDLPITPHGL
 FILFGVYGDVHRVKIMFNKKNALVQMADANQAQLAMNHLGQRLYGVLRATLSKHQAVQLPREGQEDQ
 GLTKDFSNSPLHRFKKPGSKNFQNIFFPSATLHLSNIPPSVTVDLKNLFIKAGCSVKAFKFFQKDRKMA
 LIQLGSVEEAIQALIELHNHDLGENHHLRVFSKSTI

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001244896

ORF Size: 1371 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:	<ol style="list-style-type: none">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:	<u>NM_001244896.2</u>
RefSeq Size:	7800 bp
RefSeq ORF:	1374 bp
Locus ID:	9991
UniProt ID:	<u>O95758</u>
Cytogenetics:	9q32
Protein Families:	Druggable Genome
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]