

Product datasheet for **RG232955**

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:	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:

>RG232955 representing NM_001244897
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAATAGTTCTACTCCTTCTACAGGTGTGTATGCTAATGGGAATGACAGCAAGAAATTTAAACGAGATA
 GACCTCCCTGTTTCGCTTCCCGTGTTCATCTTCGAAAAATCCATGTGATGTACCCGAAGCAGAGAT
 CATATCATTAGGTCTACCATTTGGCAAAGTAATACTTTTGTGTTGAAAGGAAAAAGCCAGGCTTTC
 TTAGAAATGGCTTCTGAGGAAGCTGCCGTTACTATGGTGAATTATTACACTCCTATTACTCCTCACCTTC
 GAAGCCAGCTGTTTATATTCAAGTATTCCAATCACAGAGAAGCTTAAGACTGACAACTACCTAATCAAGC
 TCGAGCCCAAGCTGCACTGCAGGCTGTCAAGTCCCAATCAGGAAGCCTGGCCCTTCTGAGGCTCT
 TCCAATGAAGGCACAGTCTACCTGGGCAGAGCCCTGTGCTTGAATAATTATTGAAAACCTCTTTTACC
 CTGTTACCCTGGAAGTTCTTATCAGATATTTTCTAAATTTGGCACAGTCTTGAAGATTACACCTTTAC
 AAAGAATAATCAGTTTCAAGCCTTGCTTCAAGTATGCTGACCCAGTAAATGCACATTATGCCAAAATGGCT
 CTGGATGGCCAGAATATCTATAATGCATGCTGCACTCTGCGCATTGACTTCTCCAAGCTCACCGCCTTA
 ATGTGAAATATAATAATGACAAAAGCAGAGACTTCACTCGCTTAGACCTTCTACTGGTGTGAGCCAGCC
 ATCCCTTGAACCCCTATGGCTGCTGCTTTGGTGCACCGGTATAATTTCTTACCATATGCAGGGGCT
 GCTGGATTTGCCCGCAGCATTGGATTTCTCAAGTACAGGCTATCAGTTCAGCTGTTCTGGAGCTC
 TTGGTCTCTCACAATCACCTCTTCTGCTGCTGCTGGAAGGATGGCCATTCTGGGGCTAGTGGTATACC
 AGGAAATCTGTTCTACTCGTCACAAATCTCAATCCTGATCTTATCACACCACATGGGCTTTTTATCCTA
 TTTGGAGTCTATGGTGTACATCGAGTGAAGATTATGTTTAAAGAAAGAAAATGCCTTGGTTCAGA
 TGGCGGATGCAAAATCAAGCTCAGCTAGCAATGAACCATTAAGTGGTCAAGACTTTATGGGAAAGTGTCT
 TCGTGCTACACTGTCCAACATCAAGCAGTACAGCTTCCCTGAGAGGGACAAGAAGACCAAGGCTGACT
 AAGGATTTAGCAATAGTCTTTGCATCGCTTTAAAAAGCCGGGCTCTAAAAACTTCCAGAATATCTTTC
 CACCATCAGCCACTCTGCATCTTCCAACATCCCCCTTCTGTTACAGTGGATGATCTGAAGAACCTTTT
 CATAGAAGCTGGATGTTCAAGTGAAGGCTTTTAAATTTCTTTCAGGGTCTCGCCAACCTGGGCTCAAGT
 ATTCTCTGCTTCCACCTCCACAGTGTGGGATTACAGGCATGAGCCACCACGCTGGCTCTCTGTTT
 TTTTCAAGTGTCTCGTCCATCAGTCAAGTGTCTTACATGTTTAGCATATTGCATGCAGTTTCTCTTC
 TGTCCACGAGATATTTTGGACAAAAAT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG232955 representing NM_001244897
 Red=Cloning site Green=Tags(s)

MNSSTPSTGVYANGNSKFKRDRPPCSPSRVHLRKLKIPCDVTEAEIISLGLPFGKVTNLLMLKKGKQAF
 LEMASEEAAVTMVNYYPITPHLRSQPVIQYNSHRELKTDNLPNQAQAALQAVSAVQSGSLALSGGP
 SNEGTVLPGQSPVLRIIENLFPVTVLEVLHQIFSKFGTVLKIITFTKNNQFQALLQYADPVNAHYAKMA
 LDGQNIYNACCTLRIDFSKLTSLNVKYNNDKSRDFTRLDLPTGDGQPSLEPPMAAAFAGPIISSPYAGA
 AGFAPAIGFPQATGLSVPVPGALGPLTITSSAVTGRMAIPGASGIPGNSVLLVTNLNPDITPHGLFIL
 FGVYGDVHRVKIMFNKKNALVQMADANQAQLAMNHLGQRLYGVLRATLSKHQAVQLPREGQEDQGLT
 KDFSNSPLHRFKKPGSKNFQNIFFPSATLHLSNIPPSVTVDLKNLFIAGCSVKAFKFFQGLANSWAQV
 ILLPPPSSAGITGMSHHAWLSVLFVSVPSVSSAYMFSILSCSFSSVPTRYFWTKN

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

ACCN:	NM_001244897
ORF Size:	1641 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:	NM_001244897.2
RefSeq Size:	4360 bp
RefSeq ORF:	1644 bp
Locus ID:	9991
UniProt ID:	O95758
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]