

Product datasheet for **RC232780**

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:	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:

>RC232780 representing NM_001244896
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTTTCTTAGAAATGGCTTCTGAGGAAGCTGCCGTTACTATGGTGAATTATTACACTCCTATTACTC
 CTACCTTCGAAGCCAGCCTGTTTATATTCAGTATTCCAATCACAGAGAAGCTTAAGACTGACAATCTACC
 TAATCAAGCTCGAGCCCAAGCTGCACTGCAAGGCTGTCAGTGCCGTCGAATCAGGAAGCCTGGCCCTTTCT
 GGAGGTCCTTCCAATGAAGGCACAGTCTACCTGGGCAGAGCCCTGTGCTTCAATAATTATTGAAAACC
 TCTTTTACCCTGTACCCTGGAAGTTCTTCATCAGATATTTTCTAAATTTGGCACAGTCTTGAAGATTAT
 CACCTTTACAAGAATAATCAGTTTCAAGCCTTGCTTCAGTATGCTGACCCAGTAAATGCACATTATGCC
 AAAATGGCTCTGGATGGCCAGAATATCTATAATGCATGCTGCACTCTGCGCATTGACTTCTCCAAGCTCA
 CCAGCCTTAATGTGAAATATAATAATGACAAAAGCAGAGACTTCACTCGCTTAGACCTTCTACTGGTGA
 TGCCAGCCATCCCTGAACCCCTATGGCTGCTGCTTTTGGTGCACCGGTATAATTTCTCACCATAT
 GCAGGGGCTGCTGGATTTGCCCCAGCCATTGGATTTCTCAAGCTACAGGTCTATCAGTTCCAGCTGTT
 CTGGAGCTCTTGGTCTCTCACAAATCACCTCTTCTGCTGTCACTGGAAGGATGGCCATTCCTGGGGCTAG
 TGGTATACCAGGAAATCTGTTCTACTCGTCACAAATCTCAATCCTGATCTTATCACACCACATGGGCTT
 TTTATCTATTTGGAGTCTATGGTGATGTACATCGAGTGAAGATTATGTTTAATAAGAAAGAAAATGCCT
 TGGTTCAGATGGCGGATGCAATCAAGCTCAGCTAGCAATGAACCATCTAAGTGGTCAGAGACTTTATGG
 GAAAGTGCTTCGTGCTACACTGTCCAAACATCAAGCAGTACAGCTTCTCGAGAGGGACAAGAAGACCAA
 GGTCTGACTAAGGATTTAGCAATAGTCTTTGCATCGCTTTAAAAGCCGGGCTCTAAAACTTCCAGA
 ATATCTTTCCACCATCAGCCACTCTGCATCTTTCCAACATTCCTTCTGTTACAGTGGATGATCTGAA
 GAACCTTTTCATAGAAGCTGGATGTTTCAAGGCTTTTAAATCTTTTCAAGAAAGATCGCAAAATGGCG
 CTCATTCAATTGGGATCTGTGGAAGAAGCAATTCAGGCCCTCATTGAGCTTCATAACCATGACCTTGGAG
 AAAATCACCACTCAGAGTTTCTTCTCAAATCTACAATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC232780 representing NM_001244896
 Red=Cloning site Green=Tags(s)

MAFLEMASEEAAVTMVNYYPITPHLRSPVYIQYSNHRELKTDNLPNQARAQAALQAVSAVQSGSLALS
 GGPSNEGTVLPGQSPVLRRIIENLFYPVTLEVLHQIFSKFGTVLKIITFTKNNQFQALLQYADPVNAHYA
 KMALDGGNIYNACCTLRIDFSKLTSLNVKYNNDKSRDFTRLDLPTGDGQPSLEPPMAAAFAGPGIISPY
 AGAAGFAPAIIGFPQATGLSVPVAVPAGLPLTITSSAVTGRMAIPGASGIPGNSVLLVTNLNPDILITPHGL
 FILFGVYGDVHRVKIMFNKKNALVQMADANQAQLAMNHL SGQRLYGKVL RATLSKHQAVQLPREGQEDQ
 GLTKDFSNSPLHRFKKPGSKNFQNIFFPSATLHLSNIPPSVTVDDLKNLFI EAGCSVKAFKFFQKDRKMA
 LIQLGSVEEAIQALIELHNHDLGENHHLRVSFSKSTI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

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_001244896.2
RefSeq Size:	7800 bp
RefSeq ORF:	1374 bp
Locus ID:	9991
UniProt ID:	O95758
Cytogenetics:	9q32
Protein Families:	Druggable Genome
MW:	50 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]