

Product datasheet for **RR204028**

Prop1 (NM_153627) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Prop1 (NM_153627) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Prop1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR204028 representing NM_153627
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGGATCGCC

ATGGAAGCTCAAAGAAGGAGCCAGCAGGAAAAGCAAACAAGGGCCCTGTCTGTGGCCGATCCCTGCCTG
AGTCACAGGCGGCCTCTGGGACTCTGATCTCCACAGTAGACAGGAGCCCTGAGACTTCTAAGAGACTCTC
TGGTACAGGGCTGGGAGACCCAAGCTTTGCCACAGAGGGGCGTCCCCTCCCGGCGTCGCCACCGC
ACCACCTTCAACCCAGCACAGCTGGGACAGCTGGAGTCAGCCTTTGGGAGGAACCAAGTATCCTGACATCT
GGTTCGAGAGGGGCTTGCCTAAGACACTGGCCTCAGCGAAGCCAGAATCCAGGTCTGGTCCAGAACC
CAGGGCTAAGCAACGGAAGCAAGAGCGGTCACTACTCCAGCCAACAGCCATCTGTCTCCGGCCACCTTC
TCTGGTCTTGTGAGAGTCTCTCCTTACCCCTACACCTATAACAACACCACCTCCACCCGTACCCTGCT
TCCCTCACCCCTACAACCAGCTCTCCCTCCAGCCCTGTACGGGTGCCTCACTACTTCTCTGCCCA
GCCTGAGGACTGGTACCCACCTTGCACCCAACCCACTGGTCATCTGGCCTGTCCCCACCCCAACC
ATGTTTTCCCTCAGCCTGGAGACGCCAAAGTCTGGAAC

ACGCGTACGCGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR204028 representing NM_153627
Red=Cloning site Green=Tags(s)

MEARRSQEKQTKGPVCGRSLPESQAASGTLISTVDRSPETSKRLSGTGLGRPKLCPQRGRPHSRRRHR
 TTFNPAQLGQLESAFGRNQYDPDIWVREGLAQDTGLSEARIQVWFQNRRAKQRKQERSLLQPTAHLSPATF
 SGFLSESPYPYTYTTPPPVPCFHPYHNHALPSQPCTGASLTLPAQPEDWYPTLHPTHTGHLACPPPPP
 MFSLSLETPKSWN

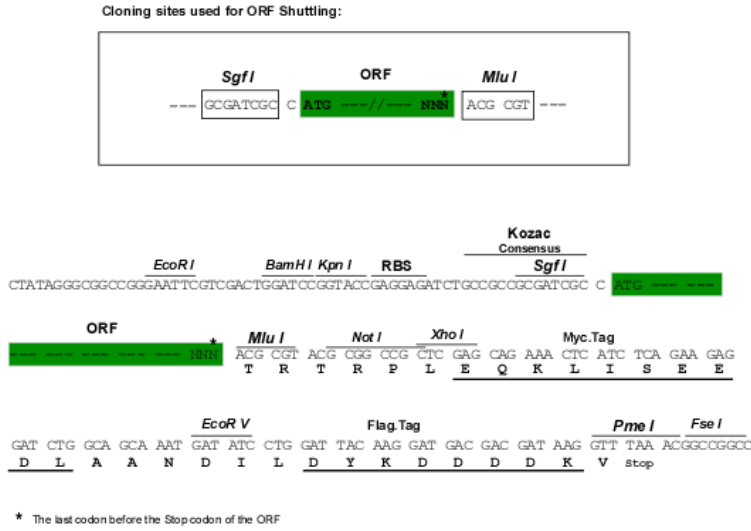
TRTRPLEQKLISEEDLAANDILDYKDDDDKV



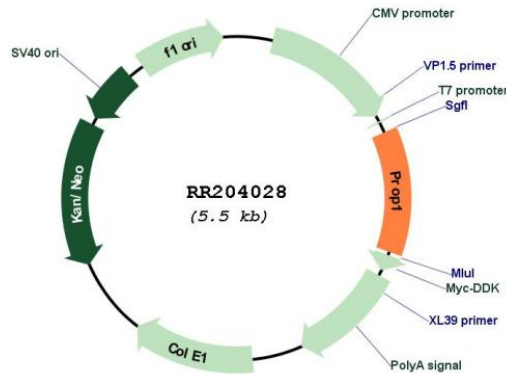
[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_153627

ORF Size: 669 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_153627.1, NP_705891.1</u>
RefSeq Size:	675 bp
RefSeq ORF:	672 bp
Locus ID:	266738
Cytogenetics:	10q22
MW:	24.9 kDa
Gene Summary:	human homolog is a transcription factor that is necessary for activation of Pit1 expression; mutations in human homolog are associated with Combined pituitary hormone deficiency (CPHD) [RGD, Feb 2006]