

Product datasheet for **RR205716**

Prf1 (NM_017330) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prf1 (NM_017330) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prf1
Synonyms:	Cyta; RATCYTA
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR205716 representing NM_017330
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCGCGTACCTGTTCTCTCTGGCCTTTTCTGCTGCTGCCACGACCTGTCCCTGCTCCCTGCTACA
 CTGCCACTCGGTGAGAATGCAAGCAGAAGCACAAATTCGTGCCTGGTGTGTGGGCGCTGGGAAGGTGT
 GGATGTGACCACCTCCGCCGCTCCAGCTCCTTCCAGTGAACACAGGGAAGTTCCTGAGGCCTGACCGC
 ACCTGCACCTCTGTA AAAACGCCCTGATGAATGACGCTATACAGCGCTACCCGTGGCAATCGCCCACT
 GGCGGCTCACGGCTCACACTGCCAGCGTAATGTGGCCACAACCAAGGTGAGCTCCACGGAGGGTGTGGC
 GCGGGAGGCGGCTGCTAATATCAATAACGACTGGCGTGCAGGGCTGGATGTGAACCTAAACCGGAAGCA
 AACGTGCATGTGTCGGTGGCTCCCATTCCAAGATAGCCAATTTTCAGCCGAGAAGGCCCATCAGG
 ACCAATACAACTTAATACTGACACAGTGGAGTGTGCATGTACAGTTTTCGCCTGGCACAAAAGCTCC
 ACTCCACCCTGACTTCAGAAAGGCACTCAAGAACCTTCCCACAACCTTAAACAGTCCACAGAGCATGCT
 TACCGTAGACTCATCTTCTATGGGACTCATTTTATTACGGCTGTGGACCTAGGTGGCCGCGTCTCGG
 TCCTCACGGCTCTGCGTACCTGTGAGCTGACCCTGGATGGGCTCACAGCTGATGAGGTAGGAGACTGCTT
 GAGCGTGAAGCCAGGTGAGCATCGGTGCCAAGCCAGTGTCTCAAGCGAATACAAAGCTTGCAGGAG
 AAGAAGAAACAACAAAAATCGCCACCTTTTCCACCAGACCTACCGTGAGCGTCATGTCGAAGTGTCTG
 GTGGCCCCCTTGACTCCTCGAATGACCTGCTCTTCGGGAACCAAGCTACCCCTGAGCACTTCTCTACCTG
 GATAGCCTCATGGCCACCAGGCTGATGTGGTGGACTACAGCCTGGAGCCCCGACATACTACTGGAA
 GACTCGGACCCGAAGCGAGAGGCACTGAGACAGGCTATCAGCCATTATGTGATGAGCAGGCTCGCTGGC
 GAGACTGTAACCGGCCCTGCAGGGCAGGCCAGCATAAGAGTAGTGTGATTGATGCCAGTGTGTGTGCCA
 GGATTCGAAGGTACCAACCAGGACTGCTGCCACGCCAGAGGGCTTGGCCAAGTTGATGGTAAGGAAT
 TTCCAGGCCAAGGCTGTGGGGGACTACATCACATCTACGGATGCTTATCTGAAGTCTTCTTTGGTG
 GCCAGGAGATCAGGACCGGTGTAGTGTGGAACAATAACCATCCCTCGTGGAGTGACAAGATGGACTTTGG
 GAATGTGCTCCTGTCCACAGGGGACCCCTCAGGGTGCAGGTCTGGGATGCTGACAATGGCTGGGATGAT
 GACCTTCTTGGTACTTGTGACAAGTCTCCCAAGTCTGGTTCCATGAGGTGAATTGTCCCCTGAACCAG
 GCAGTATAAAATTCATCTACCAGCCAATTGCTTGCCCCATCTACTGGAGAGACCTGCCTGGAGTATGC
 CCCCCAGGGCTTCTAGGAGATCCACCAGGAAACCGCAGTGGGGCTGTGTGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR205716 representing NM_017330
 Red=Cloning site Green=Tags(s)

MAAYL FLLGL FLLLPRPVPAPCYTATRSECKQKHKFVPGVWAAGEVDVTTLRRSSFPVNTGKFLRPDR
 TCTLCKNALMNDAIQRLPVAIAHWRPHGSHCQRNVATTKVSSTEGVAREAAANINNDWRAGLDVNPKEA
 NVHVS VAGSHSKIANFAAEKAHQDQYNFNTDTVECRMYSFRLAQKPLHPDFRKALKNLPHNFNSSTEHA
 YRRLISSYGTHFITAVDLGGRVSVLTLALRTCQLTLDGLTADVEVDCLSVEAQVSIQAQASVSSEYKACEE
 KKKQHKIATSFHQTYRERHVEVLGGPLDSSNDLLFGNQATPEHFSTWIASLPTRPDVVDYSLEPLHILLE
 DSDPKREALRQAI SHYVMSRARWRDCNRPCRAGQH KSSRDSCQCVCQDSKVTNQDCCPRQRGLAKLMVRN
 FQAKLWGDYITSTDAYLKVFFGGQEIRTGVVWNNHPSWSDKMDFGNVLLSTGGPLRVQVWDADNGWDD
 DLLGTCDKSPKSGFHEVNCPLNHGSIKFIYQANCLPHLTGETCLEYAPQGLLGDPPGNRSGAVW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

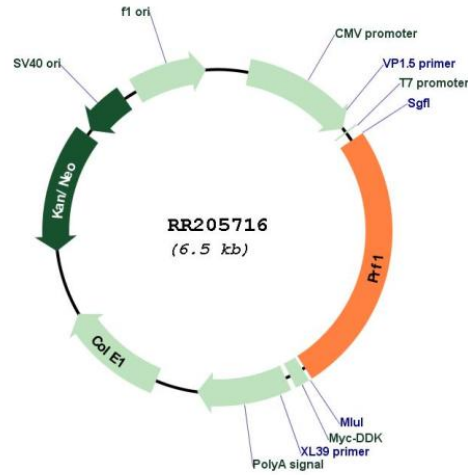
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_017330
ORF Size:	1662 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_017330.2 , NP_059026.2
RefSeq Size:	1964 bp
RefSeq ORF:	1665 bp
Locus ID:	50669
Cytogenetics:	20q11
MW:	61.5 kDa
Gene Summary:	cytolytic factor present in cytoplasmic granules [RGD, Feb 2006]