

Product datasheet for **RR215425**

Prc1 (NM_001107529) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prc1 (NM_001107529) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prc1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR215425 representing NM_001107529
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGGAGAAGTGAAGTCTAGCAGACGAGTCCATCGTATGCCTCCAGAAAGCTCTAACTCACCTTCGGG
 AAATATGGGGTTAATTGGGATTCCTGAGGAGCAGAGACTACAAAGAACCAGGTTGTAAAGAAGCATAT
 AAAGGATCTTCTGGATAAATGATTGCTGAGGAGGAGAACCTGCGGGAAGGCTTCTCAAGAGCATATCC
 ATCTGTGCGAAGGAGCTGAGCACCTGTGCAGCGAGCTACAAGTCAAGCCATTTGAGGAAGATAAAGAAA
 TAACTGTCTTGAATTAGAAAAAGATTTGCGCACTCAAGTAGAATTGATGAGAAAACAGAAAAAGGAGAG
 AAAGCAGGAACCTAAGCTACTTCAAGAACAAGATCAAGAGCTCCGTGAAATTCGTGTATGCCTCCCTGT
 GATGTAGACAGCACCTCTGTCCCACCTTAGAAGAGCTGAATCTATTCCGACAACGTGTGGCACTTTGA
 GGGAAACAAAGGAATCGAGGCATGAACAATTTGTCAACATTAAGAGACAAATCATATTGTGTATGGAAGA
 ATTAGAGCACACTCCGGATACAAGCTTTGAAAGAGACGTAGTGTGTGAGGATGAGAGTGCCTTTTGTTA
 TCACTGGAGAATATTGCAACATTACAGAAGCTGCTAAAGCAGCTGGAAGTGAAAAAGTCACAAAATGAAG
 CAGAATGTGAGGGCTCCGTGCTCAAATCCGAGAGCTCTGGGATAGGCTACAGATACCTGAAGAGGAGAG
 AGAACCTGTGGTGCATATGACTGGGTCAAAAACAAAATCAGGAATGCGTTGAAATAGAAAGTGGAT
 CGGTTAGAAGAACTGAAAATGCAAAACATAAAGCAAGTATTGAGACAATTCGAGTGGAGCTGGCTCAGT
 TCTGGGACCAGTGCTTTTATAGCCAGGAACAGAGGCAGGCTTTTGCCCTTACTATTCTGAGGACTACAC
 AGAAAACCTGCTCCATCTTCATGATGTTGAGGTTATACGGTTAAGAACTATTATGAAGCTCACAAAGGAA
 CTGTTTGAAGGAGTCCAGAAATGGGAAGAGAGCTGGAACCTTTTCTAGAGTTTGAGAGAAAAGCTTCAG
 ATCCAAGTCCGTTTACAAACCGAGGGGAAATCTTTTAAAAGAAGAAAAGGAACGAGCAAGCTCCAGAA
 AACACTCCCTAAGCTGGAAGAGGAGTTGAAGGCACGGATTGAACACTGGGAACAAGAGAACTCAACAGCA
 TTTGTGGTGAACGGGCAGAAATTCATGGAGTATGTTACAGAGCAGTGGGAGTTACATCGGTTGGAGAAAG
 AGCGAGCCAAACAGGAGAGGCAACTAAAGAACAAGAGACAGACAGAGACAGAGATGCTGTACGGCAGTGC
 TCCCCGGACACTAGCAAAAGACCAGGACAGACTCCCAACAAGTGTGGCAAAGTACGCAAGATGAACACT
 ACCACCATGTCTACTGCTACACCAATAGTAGCATTGCGCCTGTCTTTGGTGGATCAGTGTACCGTTTAC
 CTATGTCTCGACTACCCCTTCTGGCAGCAAGTCAAGTCACTTCTCTATGTTCTGAAAGAAAACACC
 TAGAGTGCCTCGCTTAGGGCAACAAGGAGAAGTGGACCTCAATGGCAGCATCTGAGCGGTGGGTAC
 TCTGGCTCGACGCCCTCCAGCGCAACTGCAGCATTAAAGTCTGTTGCCAGCACCTATTCTGAGTTTTCCG
 GAGAACTGTCAAAGGCTCCAGATCTGATGCTACTTCTCGAATCTCAATCCACCAACATCCAGTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR215425 representing NM_001107529
 Red=Cloning site Green=Tags(s)

MRRSEVLADESIVCLQKALTHLREIWGLIGIPEEQRLQRTEVVKKHIKDLLDKMIAEEENLRERLLKSIS
 ICRKELSTLCSELQVKPFEEDKEITVLQLEKDLRTQVELMRKQKQKQELKLLQEQQDELREILCMPPC
 DVDSTSVPTLEELNLFQRVATLRETKESRHEQFVNIKRQIILCMELEHTPDTSFERDVCEDSAFCL
 SLENIATLQKLLKQLEVKKSQNEAECEGLRAQIRELWDRLQIPEEEREPVAAIMTGSKTKIRNALKLEVD
 RLEELKMQNIKQVIETIRVELAQFWDQCFYSQEQRQAFAPYYSEDYENLLHLHDVEVIRLNRNYEYAHKE
 LFEGVQKWEESWKLFLFERKASDPSRFTNRGGNLLKEEKERAKLQKTLPKLEELKARIEHWEQENSTA
 FVYNGQKFMYYTEQWELHRLEKERAKQERQLKNKRQTEMLYGSAPRTPSKRPGQTPNKCGKVRKMNT
 TTMSTATPNSSIRPVFGGSVYRSPMSRLPPSGSKSVVTSLSGKKTTPRAARLRANKENLDLNGSILSGGY
 SGSTPLQRNCSIKSVASTYSEFSRELSKASRSDATSRILNSTNIQS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

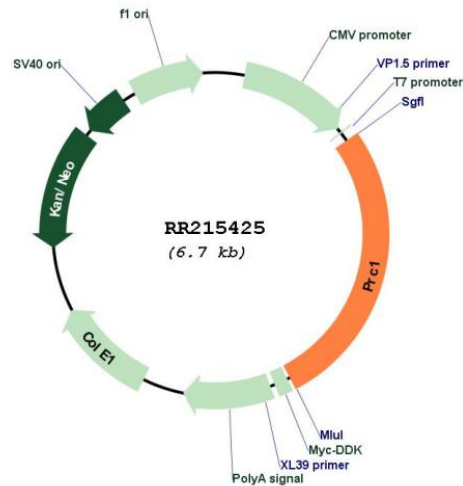
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:

NM_001107529

ORF Size:	1818 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_001107529.1 , NP_001100999.1
RefSeq Size:	2928 bp
RefSeq ORF:	1821 bp
Locus ID:	308761
Cytogenetics:	1q31
MW:	70.6 kDa