

Product datasheet for **RR216471**

Pstk (NM_001271229) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pstk (NM_001271229) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Pstk
Synonyms: RGD1564300
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR216471 representing NM_001271229
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGAACCGCAGCAGGTTATGGGGCTACTCACAGCGACGGGCGGCTAAGCTGGGACTGTGCGTCCTCT
 GCGGCTTGCCGGCGCCGAAAGTCGACTTTTGCTCGTCTGGCTCTGCGTTGCAGCGGGAGCGGGG
 TTGGGCGGTAGCCGTCTCTCTATGACGATGTGCTGCCTTTGCGCTCCCGACGGCGCGGCACACAG
 CCTCGGCCATCCCAGTGGAAAATGTTCCGACAAGAACTGTTAAAGCACCTGGAATGCTTCTTGGTAGCGG
 TCATCACTGGGGCTCAGATGTCTGCCCCACCAACAGGACTGAGGCCATGTGGGAAGATTTATAACCTG
 CTTAAAAAGGCAGGATTTGATGATCTTTTCTGAAGCGCTAGAGGCCAGCCTTGCCATCTCTTGGCAAAA
 CCTGCTGTTTTAGACCTTTGTTTTGGTGTAGATGACAACCTTTATTACCAAAGTATGAGATATGAAG
 TCTACCAACTGGCTCGGAAATTCAGTGGCTTTTGCCAGATCTTTTAGATTGCCGTGAAACATG
 TTTGAAGAGGAATGGCCAGAGACCCCAACCACTGCCAGATGAGACCATCCAGCTCATGGAGAGAAAGATA
 GAAAAACCAACCCTGAGAAAAACGCCTGGGAACACAACAGCCTCGTAATTCAGAGTTCAGCCTGTTCTT
 CGGAAGCCAGCCTGGAGGTGACTGATTTGTTGCTTACTGCTTTGGAAAATCCCATAAAATGTGTTGAGGA
 TAATACGGAACAAAAGGAACTGACAGAATAATCTGTTCTACTAACATCCTTCATAAAGCTGATGAGACC
 CTCCGAAGAACCATCTCTCAGACGATGAGGGAAGCCAAAGATGAACAAATACCTCTACTAACCTGAAGC
 GTCTAGCAGAAGAACTTAACAAGCTCAAAGCAGATGTGTTAGAAGATCTAAGACAAGGAGACAGAAAATA
 CCTGTGCTTTCAGCAAACCACCGACTTACCAGATGTTATTTCTTCTTTTGAAGGAGAGATACCATT
 GTGCAGAAGTATTTTTCAAAGCAACAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR216471 representing NM_001271229
 Red=Cloning site Green=Tags(s)

MRTAAGYGATHSDGRPKLGLCVLCGLPAAGKSTFARALALRLQRERGWAVAVLSYDDVLPALPDGAGTQ
 PRPSQWKMFQELLKHLECFVLAVITGAQMSAPPNRTEAMWEDFITCLKRQDLMIFSEALEAQPCHLLAK
 PAVFRPLFLVLDDNFYYQSMRYEVYQLARKYSLGFCQIFLDCPVETCLKRNGQRPQPLPDETIQLMERKI
 EKPNEKNAWEHNSLVIQSSACSSEASLEVTDLTLLTALENPIKCVEDNTEQKETDRIICSTNILHKADET
 LRRTISQTMREAKDEQIPPTNLKRLAEELNKLKADVLEDLRQGDRLKLCFQQTDLDPDVISSFCKERDTI
 VQKYFSKQH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

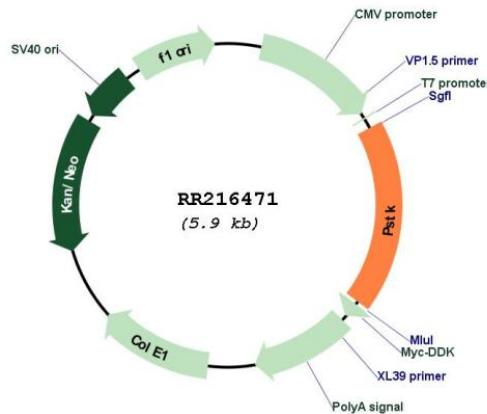
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001271229

ORF Size:	1077 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_001271229.1 , NP_001258158.1
RefSeq Size:	1138 bp
RefSeq ORF:	1080 bp
Locus ID:	361661
Cytogenetics:	1q41
MW:	40.9 kDa