

Product datasheet for **RR205678**

Pigk (NM_001011953) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pigk (NM_001011953) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pigk
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR205678 representing NM_001011953 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGTCCCCCTGCTTCTTTACCCTGCCAGTGGCTGTCTTGGCCACCTGGCGTCTTGTCTCTCGGCA
GCTCCGCCGTAGTCACATCGAGGATCAAGCAGAACAATCTTTAGAAGTGGACATACAATAACTGGGC
TGTTTTGGTATGCACATCCCGATTCTGGTTTAATTACCGACATGTGCAAATACTCTCTGTTTACAGA
AGCGTCAAGAGGCTAGGTATTCCAGACAGTCACATTGTCCTTATGCTTGCTGATGACATGGCGTGCAATG
CTCGGAACCCCAAGCCAGCCACAGTGTTAGCCACAAGAACATGGAGCTCAATGTGTATGGGACGACGT
GGAAGTGGACTACAGAAGCTATGAGGTGACCGTGGAGAATTTTTACGGGTATTAAGTGGGAGGTTCCA
CCCAGCACCCCTCGTTCAAAGCGTCTTCTCTCCGACGACAGAAGCAATATCCTCATTTATATGACAGGTC
ATGGAGGAAACGGTTTTTTGAAATTCAGATTCTGAAGAAATCACTAACATAGAAGTTCAGATGCGTT
TGAACAGATGTGGCAGAAAAGACGCTACAACGAGCTGCTGTTTATTATCGACACTGCCAGGGCGGTC
ATGTATGAGCGGTTTTACTCTCCTAACATCATGGCCTTGGCGAGTAGCCAAGTGGGCGAGGATCCCTGT
CGCACCAGCCCGACCCCGCAATTGGCGTCCACCTTATGGACAGGTACACATTCTATGTCTTGAATTTTT
GGAAGAGATTAATCCAGCTAGCCAACTAACATGAATGACCTTTTTCAAGTGTGTCCAAAAGCCTCTGT
GTGTCTACCCCTGGACATCGTACTGACCTTTTCCAGCGAGATCCTAAAAAGGTCCTGATAACCGATTCT
TCGGAAGCGTGGGAAAGGTGAAATCACGACAGAGACGATCAGTTTGCAGTGGGATTACAAGTCGTGGA
CAGCAGTTCTGCCGAGGACGGAATGGCGGAGGAGCCACGGAACCTCTCAAGTTCGCTGAGCAGCTCCCG
GTGGCTCAGATAATACACCAGAAGCCGAAGCTGAAGGACTGGCACCTCCCGGAGGCTTCATCTGGGGC
TGTGGCGCTCATCATCATGGTCTTCTTAAGACCTACGGCATCAAGCACATGAAGTTCATTTTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR205678 representing NM_001011953
Red=Cloning site Green=Tags(s)

MASPCFFTLPVAVLATLAFSLGSSAASHIEDQAEQFFRSGHTNNWAVLVCTSRFWFNRYRHVANTLSVYR
 SVKRLGIPDSHIVLMLADDMACNARNPKPATVFSHKMELNRYGDDVEVDYRSYEVTVENFLRVL TGRVP
 PSTPRSKRLLSDDRSNLIYMTGHGGNGFLKFQDSEETINIELADAFEQMWQKRRYNELLF IIDTCQGS
 MYERFYSPNIMALASSQVGEDSLSHQPDPAIGVHLMDRYTFYVLEFLEEINPASQTNMNDLFQVCPKSLC
 VSTPGHRTDLFQRDPKVLITDFGSRKVEITTETISLQWDSQVVDSSSAEDGMAEETPEPLKFAEQLP
 VAQIIHQPKLKDWHPPGGFILGLWALIIMVFFKTYGIKHMKIF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

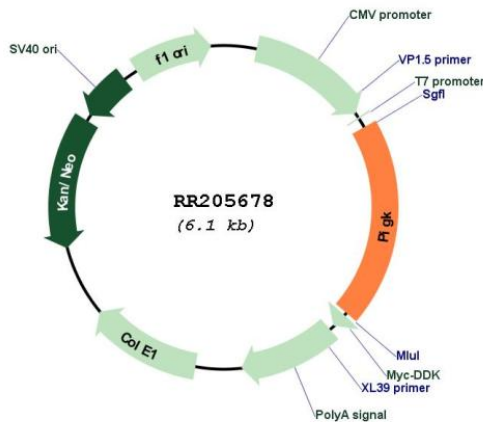
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001011953

ORF Size:	1185 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_001011953.1 , NP_001011953.1
RefSeq Size:	1557 bp
RefSeq ORF:	1188 bp
Locus ID:	295543
Cytogenetics:	2q45
MW:	44.9 kDa