

Product datasheet for **RR204379**

Pigq (NM_001007607) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pigq (NM_001007607) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pigq
Synonyms:	MGC93737
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR204379 representing NM_001007607
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTGTCAAGGCCTTCTTCCCCACATGCTGTGCTCAGCAGACAGTGGCTATTGGTGGGACGGTGGG
 TCCCAGGACAGAATAGTGTGTGATCCTGGCTGTGGTGCACCTTCCCTTCATCCCCATCCAAGTCAAGGA
 GCTCCTGGCCAGGTGCGAAGGCTAGCCAAGTACAAGTACTGTGCTAGGCACCTGGTCCACCGTCAG
 CAGGAACAGAGGAGAGCCTGGGAAATTCCTAGAGGGCCTGGGTGCCATCTTCTCCATAATCCCTGGT
 TGCAGCTATGCCGGGAGAAGGGCACCAGATTCTGGAGCTGCAAGGCCACTTACCATCAGATGTCTAGCAC
 TCTGGACACCCACTGAAGACCAGTCTGCTCATTCTATGACCAGCGCAAGCTGCTGCTCTCCTGG
 CTGCATCCACCTCCGGTACTACCTGACTGCCAGATTGGAGACAGCACAGCCAGCACTGGAGGCTAGCTG
 ACATCTTTGACACAGTGGCAGCAGTGAAGTCTCTTCCGAAATGACCAGTTTATGAGGGACCTGTGCC
 CCTGAGCCACTGGCAATCAGAGGGAGTGGAGGCCAGTACTTGTGGAGCTGGCAAAGCGGGCCTCTGGG
 CCTGTCTGCCTGTCTGGCTTCTGTGCTCCCTGATCTCAGCAGCCAGTGTCTGTCGGCTATGGAAGC
 TGGGGCCTCTTGCCCTCATCAGAAGCAAGCTCTCCACTTGTGAGCAGCTCCAGCACCGGCTGAAGCACCT
 CTCATTTCATCTTACGACCGAGAAAGCCAGAGTCCCATGCAGCTGATGAGGAAGGCCAACATGCTGGTT
 TCTGTGCTCCTGGATGTGGCCCTTGGCTTGTGCTGCTCTTGGCTCCACAGCAACAACCGGATTGGAC
 AGCTGGCAATGCCCTGGTCCCTGTGGCCGATCGCGTGGCTGAGGAGCTCCAGCATCTGCTGCAGTGGCT
 GATGGGTGCTCCTGTGGCTCAAGATGAATCGGGCACTGGATCAGGTGCTAGGCCGCTTTTTCTGTAC
 CACATCCACCTGTGGATCAGCTATATCCACCTAATGTCCTCCCTTATTGAGCACATCTGTGGCATGTGG
 GACTCTCAGCCTGCCTTGGACTGACTGTTGCTCTGTCCATCTTTTCGGACATCATCGCCCTCTTACCTT
 CCACATCTACTGCTTCTATGTGTACGGTGCAGGCTGTACTGCCTGAAGATCTATGGCCTCTCCTCGCTC
 TGGCGTCTCTCCGGGAAAGAAGTGAATGTTCTGCGCCAGCGGTGGATTCTTGTTCCTATGACCTTG
 ACCAGCTGTTTCATCGGGACCTTGTCTTCCACCATCTTGGTCTTCTTGTGCTGCCACCACCGCTCTGTA
 CCTGGTATTCACCCTGCTCCGGCTCCTGGTACTGTCGAGGGCTTAATCCATCTACTGTAGACCTC
 ATCAATCCCTCCACTGTACTCCCTTGGCCTTCGACTCTGCCGACCCTACAGGCTGGCAGCTGGTGTGA
 AGTTGAGATTCTGAAAAGGAGGCAGGCAGGCCCTCCGCTCCTGATGCAGATAAACCTCTGCCCTA
 TAGCCATGTTGTGCACACCTACCGTCTGCCTAGCTGTGGCTGCCATCCCAAGCACTCTGGGGTACTCTG
 TGCCGAAAGCTGTTCTTTCGGAGAGCTCATCTACCCTGGAGGCAGAGAGGACAACAGGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR204379 representing NM_001007607
 Red=Cloning site Green=Tags(s)

MVLKAFPTCCASADSGLLVGRWVPGQNSAVILAVVHFPFIPIQVKELLAQVQKASQVQVTLVLTGWCHRQ
 QEPEESLQKFLLEGLGAIKSHNPWLQLCREKGRFWCKATYHQMSSTLDTPTEQVMLIFYDQRKLLL
 SWLHPPPVLQDCQIGDSTASTGGLADIFDVARSEVLFVNDQFDEGPVRLSHWQSEGVEASILVELAKRASG
 PVCLLLASLLSLISAASACRLWKLGPLAFIRSKLSTCEQLQHRLKHLSEIFSTEKAQSPMQLMRKANMLV
 SVLLDVALGLLLLSWLHNSNRIGQLANALVPVADRVAEELQHLLQWLMGAPAGLKMNALDQVLRGFFLY
 HIHLWISYIHLMSPIEHLWHVGLSACLGLTVALSIFSDIALLTFHIYCFYVYGARLYCLKIYGLSSL
 WRLFRGKKNVLRQRVDSYDLQFLIGTLLFTILVFLPTTALYYLVFTLLRLLVITVQGLIHLVLDL
 INSLPLYSGLRLCRPYRLAAGVKFRVLEKEAGRPLRLMLQINPLPYSHVVHTYRLPSCGCHPKHSWGTL
 CRKLLFFGELIYPWRQREDKQD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

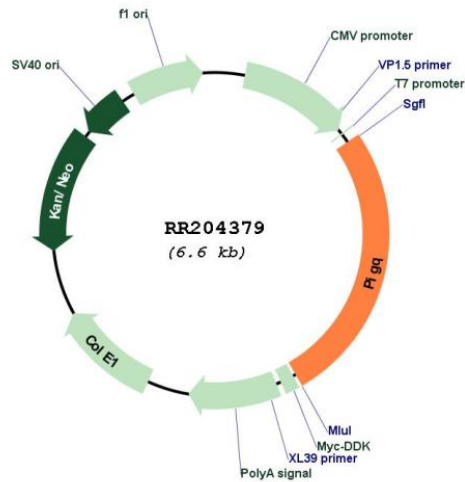
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001007607

ORF Size: 1743 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_001007607.1 , NP_001007608.1
RefSeq Size:	3024 bp
RefSeq ORF:	1746 bp
Locus ID:	287159
Cytogenetics:	10q12
MW:	65.9 kDa