

Product datasheet for **RR215265**

Pigr (NM_012723) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pigr (NM_012723) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pigr
Synonyms:	pIgA-R; RNPIGR2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR215265 representing NM_012723
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGGCTCTCCTTGTTGCGCCCTTTGGTAACTGTCTTCTCAGGGGTCTCCACACAAAGCCCATATTTG
 GTCCCAGGATGTGAGTAGTATTGAAGGTAACCGGTCTCCATCACGTGCTACTACCCAGACACCTCTGT
 CAACCGGCACACCCGAAATACTGGTGCCGACAAGGAGCCAACGGCTACTGCGCAACCTCATCTTTCA
 AATGGCTACCTCTCGAAGGAGTATTCAGGCAGAGCCAGCCTCATCAACTCCCAGAGAATAGCACATTTG
 TGATTAACATTGCACATCTCACCCAGGAGGACTGGGAGCTACAAGTGGTCTGGGTACCACTAACCG
 AGGCTGTTTTTCGATGTCAGCCTGGAGGTCAGCCAGGTTCTGAGTCCCAAATGACACCCATGTCTAC
 ACAAGGACATAGGCAGAACTGTGACCATCGAATGCCGTTTCAAAGAGGGGAATGCTCATAGCAAGAAAT
 CCCTGTGTAAGAAGAGAGGAGAGGCCTGCGAAGTTGTCATCGACTCTACTGAGTACGTGGACCCAGCTA
 TAAGGACAGAGCAATCCTTTTTATGAAAGGGACCAGCCGGATATATTCTATGTCAACATTAGCCACCTA
 ATACCCAGTGATGCTGGACTGTATGTTGCCAAGCTGGAGAAGGCCCCAGTGCTGATAAAAAATAATGCTG
 ACCTCCAGGTGCTAGAGCCTGAGCCAGAGCTGCTTTATAAAGACCTGAGGTCTCTAGTGACTTTTGAATG
 TGACCTGGGCCGTGAAGTGGCAAATGATGCCAAATATCTGTGTCGGAAGAACAAGGAAACCTGTGATGTC
 ATCATCAACACCTGGGGAAGAGAGATCCAGCCTTTGAAGGCAGGATCCTGCTAACCCCAAGGGATGACA
 ATGGCCGCTTCAGTGTGTTGATCACAGGCTGAGGAAGGAGGATGACAGGGCACTACCAGTGTGGAGCGCA
 CAGTTCGGTTTGCTCAAGAAGGCTGGCCCGTCCAGGCTTGGCAACTCTTTGTCAATGAAGAGTCCACG
 ATCCCAATAGTCGCTCTGTTGTGAAGGTTGTACAGGAGGCTCTGTGGCCATCGTCTGTCCCTATAACC
 CCAAGGAAGCAGCAGCCTCAAGTACTGGTGTCACTGGGAAGCCGACGAGAATGGACGCTGCCCGGTGCT
 CGTGGGACCCAGGCCCTGGTGCAAGAAGGATATGAAGGCCGACTGGCACTGTTGATCAGCCGGGCAAT
 GGCGCCTACACTGTCATCCTCAACCAGCTCACCCAGGATTCTGGCTTCTACTGGTGTCTTACCGATG
 GTGACTCTCGCTGGAGAACCACGATAGAACTGCAGGTTGCTGAAGCTACAAAGAAGCCAGACCTTGAGGT
 GACACCACAGAACCGACCCGGTGATAGGAGAGACCTTCACAATCTCCTGCCACTATCCGTGCAAATTC
 TACTCCCAGGAGAAATACTGGTCAAGTGGAGCAACGACGGCTGCCACATCCTGCCGAGCCATGATGAAG
 GTGCCCGCAGTCTCTGTGAGCTGTGACCAGAGCAGCCAGATCGTCTCCATGACCTGAACCCGGTCAA
 AAAGGAAGATGAAGGCTGGTACTGGTGTGGGTAAAAGAAGTCAAGTCTATGGAGAACTACAGCCATC
 TATGTAGCAGTTGAAGAGAGGACCAGAGGGTACCCACATCAACCCGACAGATGCAAACGCACGTGCAA
 AAGATGCTCCAGAGGAAGAGGCAATGGAATCCTCTGTCAGGGAGGATGAAAACAAGGCCAATCTGGACCC
 CAGGCTTTTTGCAGACGAAAGAGAGATACAGAATGCGGGAGACCAAGCTCAGGAGAACAGAGCATCTGGG
 AATGCTGGCAGTCTGGTGGACAAAGCGGGAGCTCAAAGTCTATTCTCCACCTGGTGGCCCTGGGTT
 TGGTGTGGCAGTGGGTGCTGTGGCTGTGTGGTGGCCAGAGTCCGACATCGGAAGAAATGTAGACCCGAT
 GTCAATCAGCAGCTACAGGACAGACATTAGCATGGGAGACTTCAGGAACCTCAGGGATTTGGGAGGCAAT
 GACAACATGGGCGCCACTCCAGACACACAAGAAACAGTCTCGAAGGAAAAGATGAAATAGAGACTACCA
 CCGAGTGTACCACCGAGCCAGAGGAATCCAAGAAAAGCAAAAAGGTCATCCAAGGAGGAAGCTGACATGGC
 TACTCAGCATTCTGTTTCAGTCCAGCACAATAGCTGCCAGGTCATGATGGTCCCCAGGAAGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR215265 representing NM_012723
 Red=Cloning site Green=Tags(s)

MRLSLFALLVTVFSGVSTQSPIFGPQDVSSIEGNSVSITCYPYDTSVNRHTRKYWCRQGANGYCATLISS
 NGYLSKEYSGRASLINFPENSTFVINIAHLTQEDTGSYKCGLGTNRGLFFDVSLEVSQVPEFPNDTHVY
 TKDIGRTVTIECRFKEGNAHKKSLCKKRGEACEVVIDSTEYVDPYKDRAILFMKGTSRDIFYVNI SHL
 IPSDAGLYVCQAGEGPSADKNNADLQVLEPEPELLLYKDLRSSVTFECDL GREVANDAKYLCRKNKETCDV
 IINTLGKRDPAFEGRILLTPRDDNGRFSVLITGLRKEDAGHYQCGAHSSGLPQEGWPVQAWQLFVNEEST
 IPNSRSVVKGVTTGGSVAIVCPYNPKESSLKYWCHWEADENGRCPVLVGTQALVQEGYEGRLALFDQPGS
 GAYTVILNQLTTQDSGFYWCLTDGDSRWRTTIELQVAEATKKPDLEVTPQNATAVIGETFTISCHYPCKF
 YSQEKYWKWSNDGCHILP SHDEGARQSSVSCDQSSQIVSMTLNPVKKEDEGWYWCVKGEQVYGETTAI
 YVAVEERTRGSPHINPTDANARAKDAPEEEAMESSVREDENKANLDPRLFADEREIQNAGDQAQENRASG
 NAGSAGGQSGSSKVLFTL VPLGLVLAVGAVAVVVARVRHRKNVDRMSSISSYRTDISMGDFRNSRDLGGN
 DNMGATPDTQETVLEKDEIETTTECTTEPEESKKA KRSSKEEADMAYS AFLQSS TIAAQVHDGPQEA

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_012723

ORF Size: 2307 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:

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_012723.4](#), [NP_036855.3](#)

RefSeq Size: 3929 bp

RefSeq ORF: 2310 bp

Locus ID: 25046

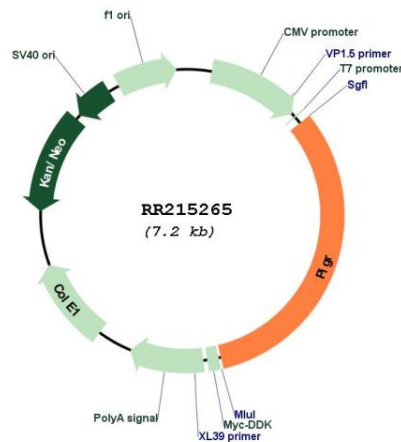
UniProt ID: [P15083](#)

Cytogenetics: 13q13

MW: 84.8 kDa

Gene Summary: contains a trinucleotide repeat-rich fragment in the 3' untranslated region that may regulate gene expression [RGD, Feb 2006]

Product images:



Circular map for RR215265