

Product datasheet for **RR213864**

Plrg1 (NM_021757) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plrg1 (NM_021757) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Plrg1
Synonyms:	MGC105439
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR213864 representing NM_021757
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTGGAGGAGTACAGAAGCATTCTGTGCACACTAGTGTTCAAGTCAATGAAGAGGCCCATGACA
 TGTTTGGCTGATAATGGAAAACCTGTGCCTTTGGATGAAGAGAGTCACAAGCGGAAAAATGGCAATCAA
 GCTTCGTAATGAGTATGGCCCTGTGCTGCATATGCCTACTTCAAAAAGAGAATCTTAAGGAGAAGGGACCT
 CAAAACGCACCAGATTATATCCTCATAAGCAGTATCCTGCCAATCAAGGACAAGATGTTGAATATTTGG
 TGACAGGTACACATCCATATCCACCAGGACCTGGTGTGCCTTGACTGCTGATACTAAGTCCAAAGAAT
 GCCAAGCGAGTCAGCCGCACAGTCCTTAGCTGTGGCGTTACCGTCTCAGACCAGAGTTGATGCAAAATCGG
 ACTGCGCCTGCTGGAAGTGAATACCGACACCCAGGGGCTTCTGACCGTCCAGCCACAGCAATGAATT
 CTATGATTATGGAGACCAGCAATACCAAGAACTCTGCATTAATGGCTAAAAAGCCCTACAATGCCCAA
 ACCCCAGTGGCACCCACCGTGGAACTCTACAGGGTTATCAGTGGGCATCTTGGCTGGGTTCCGGTGTATT
 GCTGTGGAACCTGGAAATCAGTGGTTCGTTACTGGATCTGCTGACAGAATATAAAGATTTGGGACTTGG
 CCAGTGGCAAATTAAGCTGTCATTGACTGGCCACATCAGCACAGTACCGGGTGTGATTGTGAGCACGAG
 GAGCCCTACTTGTCTCTTGTGGAGAAGACAAACAAGTGAAGTGTGGGATCTTGAATATAACAAGTT
 ATACGGCACTATCATGGCCATCTAAGTGCAGTGTATGGTCTGGATTTGCATCCAACAATCGATGCTCTGG
 TCCTTGTAGTCGAGATTCTACTGCTCGGATCTGGGATGTGAGAACTAAAGCCAGTGTGCACACTTTGTC
 TGGACACAAAAATGCAGTTGCTACCGTGAGATGCCAAGCTGCAGAGCCACAAATTAATGGAAGTAC
 GATACCACAATACGATTATGGGATCTGGTGGCTGGAAAGACACAGTACATTGACGAATCATAAGAAGT
 CAGTCAGGGCTGTGGTCTTACATCCGCTACATTACACATTTGCATCTGGTCTCCAGATAACATAAAGCA
 GTGGAAAATCCCTGACGGAGGCTTCATTAGAATCTCTCTGGGCACAATGCAATTAACACGCTGGCA
 GTCAATACGGATGGAGTACTTGTATCTGGAGCTGACAATGGCACTATGCACCTTTGGGACTGGAGA
 ACTGCTATAATTTTACGCGCTTTCATGCTGCTGTACAGCCTGGGCTTTGGACAGTGAATCAGGAATATTCGC
 TTGTGCTTTTGTGCGGTGAGAAAGTCGGTACTAACAGCTGAAGCTGATAAAACCATTAAAGTTTACAGA
 GAGGATGAGACTGCGACAGAAGAACTACCCAGTCAGCTGGAAACCAGAAATTATCAAGAGAAAGAGAT
 TT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR213864 representing NM_021757
 Red=Cloning site Green=Tags(s)

MVEEVQKHSVHTLVFRSLKRTHDMFVADNGKPVPLDEESHKRKMAIKLRNEYGPVLMPTSKENLKEKGP
 QNAPDSYPHKQYPANQGQDVEYLVTGTHPYPPGVALTADTKIQRMPSESAQSLAVALPSQTRVDANR
 TAPAGSEYRHPGASDRSQPTAMNSMIMETSNTKNSALMAKKAPTMPKPQWHPPWKLYRVISGHLGWVRCI
 AVEPGNQWFVTSADRTIKIWDLASGKLKLSLTGHISTVRGVIIVSTRSPYLFSCGEDKQVKCWDLEYNKV
 IRHYHGLSAVYGLDLHPTIDVLVTCSDSTARIWDVVRTKASVHTLSGHTNAVAVTRCQAAEPQIITGSH
 DTTIRLWDLVAGKTRVTLTNHKKSVRAVVLHPLHYTFASGSPDNKQWKFDPGGFIQNLSGHNAIINTLA
 VNTDGVLVSGADNGTMHLWDWRTGYNFQRVHAAVQPGSLDSESGIFACAFDRSESRLLTAEADKTIKVYR
 EDETATEETHPVSWKPEIIRKRF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_021757

ORF Size: 1542 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_021757.2](#), [NP_068525.1](#)

RefSeq Size: 1830 bp

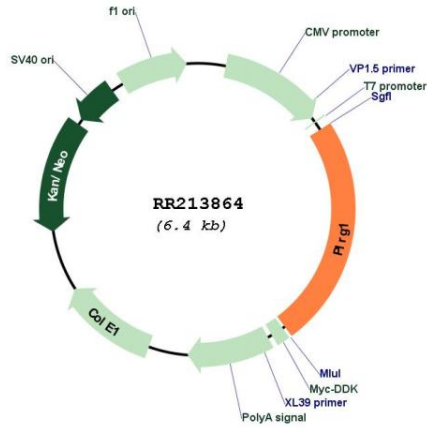
RefSeq ORF: 1545 bp

Locus ID: 60376

UniProt ID: [Q9WUC8](#)

Cytogenetics: 2q34
 MW: 57.2 kDa
 Gene Summary: human homolog plays a role in pre-mRNA splicing [RGD, Feb 2006]

Product images:



Circular map for RR213864