

## Product datasheet for **RR211751**

### **Pias1 (NM\_001106829) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pias1 (NM_001106829) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pias1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR211751 representing NM\_001106829  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGGACAGTGCAGAACTAAAGCAAATGGTTATGAGCCTTAGAGTTTCTGAACTCCAAGTACTGTTGG  
 GCTACGCTGGGAGAAACAAGCACGGACGCAAAACGAACTTCTTACAAAAGCCCTGCATTTGTTAAAGGC  
 TGGCTGTAGTCCCTGCTGTACAAATGAAAATTAAGAAGCTTACAGGCGGCGGTTCCCTCAGAAAATTATG  
 ACACCTGCGGACTTGTCTATCCCAACGTACATCAAGTCCTATGCCAGCGACTCTTTCTCCATCCACCA  
 TTCCACAGCTCACTTACGATGGTCACCCTGCATCGTCCCATTACTCCCTGTTTCTTTCTGGGACCTAA  
 ACATGAACTGGAACCTCCACATCTCACATCAGCGCTGCACCCAGTCCATCCGGACATAAAGCTGCAAAAAG  
 CTACCATTTCTATGACCTGCTGGACGAAGTATCAAACCCACCAGTCTAGCTTCAGACAACAGCCAGCGCT  
 TTCGGGAAACCTGTTTTGCATTTGCCTTGACACCACAACAGGTGCAGCAGATCGGCAGCTCCATGGATAT  
 TTCTGGGACCAAATGTGACTTCACAGTGCAGGTCCAATTAAGGTTTTGTTTATCAGAAAACAGTTGTCCA  
 CAAGAAGATCACTTCCCACCAATCTTTGTGTAAGTGAATACAAAACCTTGCAGCCTTCCAGGTTACC  
 TTCCACCTACTAAAAATGGTGTGGAACCAAGCGACCTAGCCGACCAATTAATATCACCTCACTTGTCCG  
 ATTGTCCACGACAGTACCAAATACCATTGTTGTTTCTTGGACTGCAGAAATGGAAGAACCTATTCCATG  
 GCAGTATATCTTGTAAAACAGTTGCTCTCAACAGTTCTTCTTCCAGAGTTACGAGCAAAGGGGATAAGGA  
 ATCCGGATCATTCTAGAGCTTTAATTAAGAGAAGTAACTGCAGATCCAGATAGTGAGATAGCTACTAC  
 CAGCCTACGGGTTTCGCTGCTGTGCCACTTGGGAAAATGCGACTGACAATCCATGTCCGGCAGCTTACC  
 TGTTCCACCTCCAGTGTGTTGATGCAACTCTTATATTCAAATGAATGAGAAAAAGCCAACATGGGTTT  
 GTCCTGTGTGATAAGAAGGCCCATATGAACACCTCATTATTGATGGGTTGTTTATGGAATCCTAAA  
 GTACTGTACAGACTGTGACGAGATACAGTTTAAGGAGGATGGCTCGTGGGCTCCGATGAGGTCAAAAAAG  
 GAAGTGAAGAAGTCACTGCCTCTACAATGGGTCGATGGATGCTTGAGCTCCACATTGGAGCATCAGG  
 TGGCTTCCACAACAGTCTTCAAATAAAAAACAAGAAAGTGGAGGTGATTGACCTAACCATTTGACAGTTC  
 ATCAGATGAAGAGGAGGAAGAACCCCTGCCAAGAGGACCTGTCTTCCCTGTCTCCTACGTCACCACTA  
 AGTAATAAAGGCATCTTAAGTCTTCTCATCAAGCATCGCCTGTGTCCCGCACCCCAAGCCTTCTGCTG  
 TAGATAAAGCTACATCAACACCTCCCTCATCCAGGACTACAGACACCCTTCCACATGACGCCCATGCC  
 TTATGACTTACAAGGATTAGATTTCTTTCTTTCTTATCAGGAGACAATCAGCATTACAACACCTCCCTG  
 CTTGCCGACGCGCAGCTGCGGTCTCAGATGACCAGGACCTCCTGCACTCCTCCGATTTTTCCCGTATA  
 CCTCCTCGCAGATGTTTCTCGATCAGCTAAGTGCAGGAGGAGCACTTCTCTGCCAGCCACCAATGGAAAG  
 CAGTAGTGGCAGCAACAGCAGCCTTGTGTCTTCCAACAGTCTGAGGGAGAGCCATGGCCATGGTGTGGCC  
 AGCAGGAGCAGCGCAGACACGGCATCCATCTTTGGCATCATACCAGACATTATCTCGTTGGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR211751 representing NM\_001106829  
Red=Cloning site Green=Tags(s)

MADSAELKQMVMSLRVSELQVLLGYAGRKNHGRKHELLTKALHLLKAGCSPAVQMKIKELYRRRFPQKIM  
 TPADLSIPNVHSSPMPATLSPSTIPQLTYDGHPASSPLLPVSLGPKHELELPHLTSALHPVHPDIKLQK  
 LPFYDLLDELIKPTSLASDNSQRFRETCFALALTPQQVQVIGSSMDISGKCDFTVQVQLRFCLSETSCP  
 QEDHFPPNLCVKVNTKPCSLPGYLPTKNGVEPKRPSRPINITSLVRLSTTVPNTIVVSWTAEIGRTYSM  
 AVYLVKQLSSTVLLQRLRAKGIRNPDHSRALIKEKLTADPDSEIATTSRLRVSLCPLGKMRLTIPCRALT  
 CSHLQCFDATLYIQMNEKKPTWVCPVCDKAPYEHLIIDGLFMEILKYCTDCDEIQFKEDGSWAPMRSKK  
 EVQEVTASYNGVDGCLSSTLEHQVASHNQSSNKNKVEVIDLTISSSDEEEEEPPAKRTCPSLSPSTPL  
 SNKGILSLPHQASPVSRTPSLPAVDTSYINTSLIQDYRHPFHMTMPYDLQGLDFPFLSGDNQHYNTSL  
 LAAAAAVSDDQDLLHSSRFFPYTSSQMFLDQLSAGGSTSLPATNGSSSGSNSSLVSSNSLRESHGHGVA  
 SRSSADTASIFGIIPDIISLD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001106829

**ORF Size:** 1953 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\\_001106829.2](#), [NP\\_001100299.2](#)

**RefSeq Size:** 2206 bp

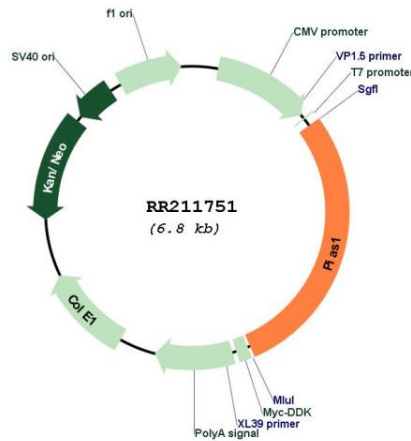
**RefSeq ORF:** 1956 bp

**Locus ID:** 300772

**Cytogenetics:** 8q24

**MW:** 71.6 kDa

**Product images:**



Circular map for RR211751