

## Product datasheet for **RR204681**

### **Pias2 (NM\_053337) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pias2 (NM_053337) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pias2
Synonyms:	Miz1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR204681 representing NM\_053337  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGGATTTTCGAGGAGTTGAGGAATATGGTTTCTAGTTTTAGGTTTTCTGAATTACAAGTGTACTGG  
 GCTTTGCTGGACGAATAAAAGTGGGCGCAAGCATGACCTCCTGATGAGGGCGTTGCATTTACTGAAGAG  
 TGGCTGCAGCCCTGCGGTTTCAGATTAATAATTCGAGAATTATACAGACGCCGATACCCACGGACACTTGAA  
 GGACTTTCTGATCTATCCACAATCAAATCTTCAGTTTTTCAGTTTGGATGGTAGCTCATCACCAGTAGAGC  
 CTGACTTGGCCGTGGCTGGGATCCACTCGTTGCCCTTCTACTTCCATTGCACCTCATTACCAGTCTCTCC  
 TGTGCTTCTGTGCTGCTCAAGACACTAAGCCCACGTTTGGATGCAGCAACCCTCTCTCCATTCTCT  
 CCTGTCCATCCTGACGTGCAGTAAAAACGCTGCCCTTCTATGACGTCTTGATGTTCTCATCAAGCCCA  
 CAAGTTTAGTTCAAAGCAGTATTCAGCGGTTTCAAGAGAAGTTTTTTATTTTTGCTTTGACACCCAGCA  
 AGTTAGAGAGATATGCATTTCAAGGGATTTTTTGGCAGGTGGCAGGAGAGACTACACAGTCCAAGTCCAG  
 CTGCGACTTTGCTTGGCAGAGACCAGTTGCCCTCAAGAAGATAACTATCCAATAGTTTGTGTATAAAAG  
 TAAATGGGAAACTCTTTCTTTGCTGGCTATGCACCACCACCTAAAAATGGGATCGAACAGAAGCGTCC  
 TGGACGCCCTGAATATTACATCTTTAGTGAGATTGTCTTCAGCTGTGCCAAATCAGATTTCTATTTCT  
 TGGGCATCTGAAATTGGAAAGAATTACTCCATGTCTGTGTATCTGTACGACAGCTTACATCAGCCATGT  
 TATTACAGAGATTAATAAAGAAAGTATTAGAAATCCTGATCATTCAAAGCACTCATTAAAGAAAAACT  
 TACTGCAGATCCTGATAGTGAATTTGCTACAACAGTCTTCGAGTGTCTTGATGTGCCCTTTAGGAAAA  
 ATGAGGCTGACAAATCCCGTCCCGCAGTGACGTGTACACATCTGCAGTGTCTTGATGCTGCCCTGTATC  
 TTCAGATGAATGAGAAGAAGCCACCTGGATTTGCTGTTGTGACAAAAAGGCTGCCTATGAGAGTCT  
 GATACTAGATGGGCTTTTTATGGAAATCTCAATGACTGTTCTGATGTGGATGAGATCAAATTCAGGAA  
 GATGGTTCTGGTGCCCATGAGACCTAAGAAAGAAGCTATGAAAGTAACCGCCAGCCCTGTACAAAAAG  
 TAGAAAGTTCAAGTGTCTTTAGTAAACCTGTTTCAGTACTGTAGCCAGTGTGCAAGCAAGAAGAAGAT  
 TGATGTTATTGATCTAACAATAGAGAGCTCTTCTGATGAAGAGGAAGACCCTCCCGCCAAAAGGAAATGC  
 ATCTTTATGTCAGAAACAAAAGCAGTCCAACCAAAGGGTTCTCATGTATCAGCCATCTTCTGTAAGGG  
 TGCCAGTGTGACTTCAGTTGATCCTGCTGCTATTCCACCTTCATTAACAGACTACTCAGTACCATTCCA  
 CCACACGCCAGTGTGAGCATGTCATCAGATTTGCCAGGAGAACAAGAAGAAATGATATTAATAACGAA  
 GTGCAGCTTGAACATCTTCTGATACTGTGCAACAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR204681 representing NM\_053337  
 Red=Cloning site Green=Tags(s)

MADFEELRMVSSFRVSELVLLGFAGRNKSGRKHDLMLRALHLLKSGCSPAVQIKIRELYRRRYPRTLE  
 GLSDLSTIKSSVFLDGSSSPVEPDLAVAGIHLSPSTSIAPHSPSPVASVLLQDTKPTFEMQQPSPPIP  
 PVHPDVQLKTLPFYDVLVLIKPTSLVQSSIQRFEKFFIFALTPQQVREICISRDFLPGGRRDYTVQVQ  
 LRLCLAETSCPQEDNYPNSLCKIVNGKLFPLPGYAPPPKNGIEQKRPRPLNITSLVRLSSAVPNQISIS  
 WASEIGKNYSMSVYLVRQLTSAMLLQRLKMKGIRNPDHSHKALIKEKLTADPDSEIATTSLRVSLMCPGK  
 MRLTIPCAVCTHLQCFDAALYLQMNKKTWICPVCDKKAAYESLILDGLFMEILNDCSDVDEIKFQE  
 DGSWCPMRPKKEAMKVTSQPCTKVESSVFSKPCSVTVASDASKKIDVIDLTISSSDEEEDPPAKRKC  
 IFMSETQSPTKGLMYQPSSVRVPSVTSVDPAAIPPSLTDYSVPFHHTPVSSMSSDLPGEQRRNDINNE  
 VQLGTSSDVTVQQ

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI



<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_053337.1</a> , <a href="#">NP_445789.1</a>
<b>RefSeq Size:</b>	1858 bp
<b>RefSeq ORF:</b>	1719 bp
<b>Locus ID:</b>	83422
<b>UniProt ID:</b>	<a href="#">Q6AZ28</a>
<b>Cytogenetics:</b>	18q12.3
<b>MW:</b>	63.4 kDa
<b>Gene Summary:</b>	testis-specific; mediates androgen receptor (AR)-dependent but not basal transcription [RGD, Feb 2006]