

Product datasheet for **RR202737**

Pias3 (NM_031784) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pias3 (NM_031784) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pias3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR202737 representing NM_031784
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGAGCTGGGCGAATTAAGCACATGGTGTAGATTCCGGGTGTCTGAGCTCCAGGTGCTCCTTG
 GCTTCGCTGGCAGGAACAAGAGTGGGCGGAAGCACGAATTGCTGGCCAAGGCCCTGCACCTCCTCAAGTC
 TAGCTGCGCCCCAGCGTCCAGATGAAGATCAAAGAACTTACCAGAGCGCTTCCCGGAAGACCCTG
 GGGCCTCCGATCTCTTTGCTCTCTTGGCCCTGGCACCTCTCTGTAGGCTCCCCAGCCCCCTTG
 CTTCCATTCTCCACCCTCCTGACCCCTGGCACCTTGTGGCCCTAAGCGTGAGGTGGACATGCACCC
 TCCTCTGCCCCAGCCTGTGCACCCTGACGTACCATGAAACCACTGCCCTTCTACGAAGTCTACGGAGAG
 CTCATCCGGCCGACCACCCTTGCCTCCACCTCCAGTCCAGAGTTTGGAGGAGCCACTTTACCTTTGCAC
 TCACTCCCAGCAGCTGCAGCAGATTCTACATCCAGGGAGTTCTGCCAGGAGCCAAGTGCATTATAC
 CATAAAGTGCAGCTCAGTTCTGTCTGTGAGACCAGCTGCCCCAGGAGGACTATTTCCCCCTAAC
 CTCTTTGTCAAGGTTAATGGGAACTCTGCCCCCTGCCGGTTACCTCCCTCCAACCAAGAAATGGAGCTG
 AGCCCAAGAGGCCTAGTCGTCCAATCAACATCACACCCTGGCTCGTCTCTCAGCCACTGTTCCCAACAC
 CATAGTGGTTAACTGGTCATCTGAGTTTGGACGGAATTACTCCTTGTCTGTGACCTGGTGGAGCAGTTG
 ACTGCAGGGACCTGCTACAAAAGCTCAGAGCCAAGGGTATCCGGAATCCAGACCATTCCCGAGCACTGA
 TCAAGGAGAAATTGACTGCTGACCCGACAGTGAAGTGGTACTACAAGTCTCCGGGTGTCACTCATGTG
 CCCGCTGGGGAAGATGCGCCTGACTGTCCATGCCCGCTCTCACCTGTGCCACCTGCAGAGTTTCGAT
 GCTGCCCTTATCTACAGATGAATGAGAAAAAGCCAACATGGACGTGCCCTGTGTGTGACAAGAAGGCTC
 CCTATGAGTCACTGATTATTGATGGTTTATTCATGGAAATCTTAATTCCTGTTCCGATTGTGATGAGAT
 CCAGTTTCAAGGATGGATCCTGGTGTCCAATGAAACCAAGAAGGAGGCATCCGAGGTTTCCCCCCA
 CCAGGGTATGGGCTGGATGGTCTCCAGTATAGCCAGTCCAGGAGGAAATCAGTCAGAGAATAAGAAGA
 GGGTTGAAGTCATTGACTTGACAATCGAAAAGCTCATCAGATGAGGAAGATCTGCCCCCCACCAAGAAGCA
 CTGCCCTGTTACCTCGGCTGCCATTCCAGCCCTTCTGGAAGCAAAGGAGCCCTGACCTCTGGTACCAG
 CCGTCTTCGGTGTGCGGAGCCCTGCAATGGGTACTGGGCAGTGATTTCTGTCTAGTCTCCACTAC
 ATGAGTACCCACCTGCCTTCCCCTGGGGCTGACATCCAAGGTTAGATTTATTTCTTCTCCTCAGAC
 TGAGAGTCACTACAGCCCTCAGTTATCACTTCACTAGATGAGCAGGACACCCTGGCCACTTCTTC
 CAATCCGGGAAACCCCTCCCCTTCTGGGCCACTGGCCCCACATTGGGGAGCTCTACCCGACGG
 CCACTCCAGCACCCGCTCCTGGCCGTGTGAGCAGCATTGTGGCTCCTGGGAGTTCCCTGAGGGAAGGGCA
 TGGAGGACCCCTGCCTCCGGTCCCTTTGACTGGCTGTGGTTCAGACGTCATTTCTTGGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR202737 representing NM_031784
 Red=Cloning site Green=Tags(s)

MAELGELKHMVMSFRVSELQVLLGFAGRNKSGRKHELLAKALHLLKSSCAPSVQMKIKELYRRRFRPKTL
 GPSDL SLLSLPPGTSPVGSPLASIPPTLLTPGTL L GPKREVDMPPLPQPVHPDVTMPLPFYEVYGE
 LIRPTT LASTSSQRFEFAHFTFALTPQQ L QQILTSREVLPGAKCDYTIQVQLRFCLCETSCPQEDYFPPN
 LFVKVNGKLCPLPGYLPPTKNGAEPKRPSRPINITPLARLSATVPNTIVNWSSEFGRNYSLSVYLVRQL
 TAGTLLQKLRAKIRNPDHSRALIKEKL TADPDSEVATSLRVSLMCPLGKMRLTVPCRAL TCAHLQSF
 AALYLQMNKKPTWTCPVCDKKAPYESI IDGLFMEILNSCSDCDEIQFMEDGWSWCPMKPKKEASEVCP
 PGYGLDGLQYSPVQEGNQSENKRVEIDL TIESSDEEDLPPTKKHCPVTSAAIPALPGSKGAL TSGHQ
 PSSVLRSPAMGTLGSDFLSSLPLHEYPPAFPLGADIQGLDLFSFLQTESQHYSPS VITSLDEQDTLGHFF
 QFRGTPPHFLGPLAPTLGSSHRSATPAPAPGRVSSIVAPGSSSLREGHGGPLPSGSLTGC RSDVISLD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_031784

ORF Size: 1884 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_031784.2](#), [NP_113972.2](#)

RefSeq Size: 2927 bp

RefSeq ORF: 1887 bp

Locus ID: 83614

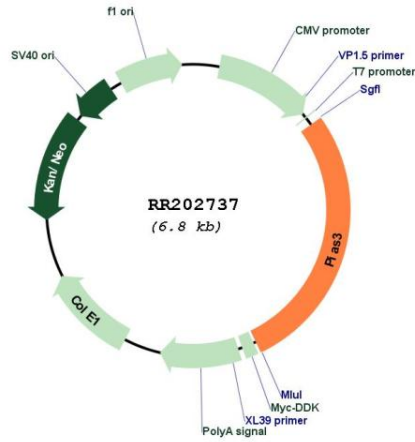
UniProt ID: [O70260](#)

Cytogenetics: 2q34

MW: 68.4 kDa

Gene Summary: voltage-gated K⁺ channel binding protein; involved in modulating the expression of Kv2 channels [RGD, Feb 2006]

Product images:



Circular map for RR202737