

Product datasheet for **RR200948**

Rtn4ip1 (NM_001107644) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rtn4ip1 (NM_001107644) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rtn4ip1
Synonyms: RGD1563384
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR200948 representing NM_001107644
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAAGTTTTGAAGACTTGTACTTAGAAGAAATGCTTGTGCCCGGTGTGCTTCTGGAGAAGGAAAG
 TTATCACGAGGCCACCATATAGAGGCATTAGTACTACGCTCGCAGGAGCACTGCATGCCCGCTTGGGT
 GATAGATAAATATGAAAAGAATGAAGTCTTCGATTCACCCAGAACATGATGTTACCTATCATACTAT
 CCAAACGAAGTCATTATCAAAGTCCATGCTGCCAGTGTAAATCCTATAGATGTTAACATGAGAAGTGTT
 ATGGGGCCACAGCTCTAAATATGAAACGTGATCCCTTGCATATGAAAACCAAAGGAGAAGAATCCCTCT
 GACTCTGGGTCCGGATGTCTCTGGTGTGGTGATGGAGTGTGGGCTGGATGTGAGGTATTTCCAGCCTGGA
 GATGAGGTCTGGGCTGCAGTTCCTCCTTGGAAACAAGGCACTCTGTCCGAGTTTGTCTGGTTCAGTGGGA
 ATGAGGTTTACACAAGCCAAATCACTCACTCACTCAAGCTGCCTCTCTGCCGATGTGGCCCTCAC
 AGCCTGGTCTGCCATAAACAAGTCCGGGGCCTGAATGCCAAGAATTGCATGGGAAAACGTGCGCTAATC
 TTGGGGCGTCAGGTGGAGTTGGTACTTTTCCGATACAGGTAATGAAGGCGTGGGGCGCTCATGTGACGG
 CAGTTTGTCTCGAAAGACGCCAGTGAGCTTGTGAGGAAGCTTGGGGCAGACGAAGTCATCGATTACACGAT
 GGGCAGTGTGGAGGAGCAGCTGAAATCTCTAAAACCTGTTTGACTTCATCCTTGATAATGTAGGTGGATCG
 ACTGAAACATGGGCTCTAAATTTCTCAAGAAAGTGGTCAGGAGCCACCTATGTGACTCTGGTACTCCTT
 TCCTCCTGAACATGGACCGACTGGGCATTGCCGATGGCATGTTGCAGACTGGAGTCACTGTGGGCACAAA
 GGCAGTGAAGCATCTCTGGCAAGGAGTCCATTACAGATGGGCTTCTTTCATGGCCAGCGCCCGTACCTA
 GATGAGATTGCAGAGCTGGTGGATGGGGAAAGATTTCGGCCGGTTATCGAGCGGACCTCCCTTTTTCTG
 AAGTCCCCGAAGCCTTCTGAAGGTGGAGCGCGCCACGCCGAGGAAAGACGGTGGTCAACGTAGTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR200948 representing NM_001107644
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MEVLKTCVLRNACAAVCFWRRKVIITRPPYRGISTTSARSTVMPAWIDKYGKNEVLRFTQNMLPIIHY
 PNEVIIKVAASVNPIDVNMRSYGATALNMKRDPLHMKTKGEEFPLTLGRDVSQVMECGLDVRVYFQPG
 DEVWAAVPPWKQGTLESEFVVVSGNEVSHKPKSLTHTQAASLPYVALTAWSAINKVGLNAKNCMGRAL I
 LGASGGVGTFAIQMKAWGAHVTAVCSKDASELVRKLGAEVIDYTMGSVEEQLKSLKLFDFILDNVGGS
 TETWALNFLKKWSGATYVTLVTPFLLNMDRLGIADGMLQTGVTGTALKHLWQGVHYRWAFFMASGPYL
 DEIAELVDGGKIRPVIERTFPFSEVPEAFLKVERGHARGKTVVNVV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

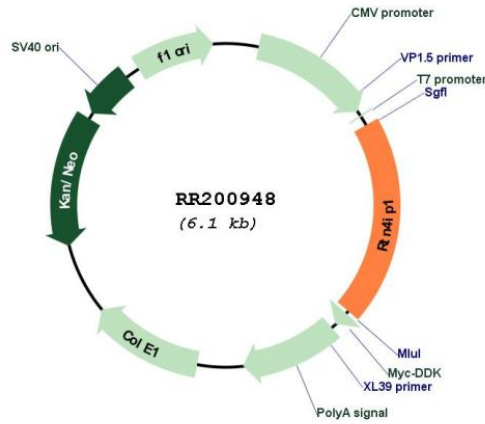
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001107644

ORF Size:	1188 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:	<ol style="list-style-type: none">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_001107644.3 , NP_001101114.1
RefSeq Size:	2074 bp
RefSeq ORF:	1191 bp
Locus ID:	309912
Cytogenetics:	20q13
MW:	43.6 kDa