

Product datasheet for **RN205715**

Rock1 (NM_031098) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rock1 (NM_031098) Rat Untagged Clone
Tag: Tag Free
Symbol: Rock1
Synonyms: P160Rock; ROCK-I
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN205715 representing NM_031098
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCGACTGGGACAGTTTTGAGACTCGGTTTGAAAAATCGACAACCTGCTGCGGGATCCAAATCGG
AAGTGAATTCAGATTGTTTCTGGATGGATTGGATGCTTTGGTTTATGATTTGGATTTCTCCTGCCTTAAG
AAAAACAAAAATATTGACAACCTTCTAAGCAGATATAAAGACACAATAAATAAAATTAGAGATTTACGG
ATGAAAGCTGAAGATTATGAAGTAAAGGTAATCGGCAGAGGTGCATTTGGAGAAGTTCAATTGGTAA
GGCATAAATCCACCAGGAAGTTTATGCTATGAAGCTTCTCAGCAAAATTTGAAATGATTAAGAGATCTGA
TTCTGCTTTTTCTGGGAAGAAAGGGACATCATGGCATTGCGCAATAGTCCTTGGGTTGTTGAGCTTTTT
TATGCATTCGAAGATGACCGATATCTCTATATGGTGATGGAGTACATGCCTGGTGGAGACCTTGTAACC
TGATGAGCAACTACGATGTGCCTGAAAAGTGGGCACGATTCTATACTGCAGAAGTAGTCTCGCATTGGA
TGCRATCCATTCATGGGTTTTATTTCATAGAGATGTGAAGCCTGACAACATGCTGCTGGATAAGTCTGGA
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CAGTTGGAACACCTGATTATATTTACCTGAAGTATTAATAACCAAGGCGGTGATGGCTATTATGGACG
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TGGTGTAGAGGAAATCAAACGTCATCTCTTCTTCAAAAATGATCAGTGGGCTTGGGAAACGCTCCGAGAC
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CTACAACATAGAATTAATGAGTACCAAAGAAAAGTGAACAGGAAAATGAGAAAAGAAGAAATGTAGAAA



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ATGAAGTTTCTACACTAAAGGACCAGTTGGAAGACTTACGAAAGCAAGTCAGAGCTCACAGCTTGCTAA
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 GCCTGCATTCTTATTTATTTATCTTCTACTCTTCTAGTTCAAGAATTGAAGGTTGGCTTTCTGTACCAA
 ATAGAGGAAATATCAAAGATATGGCTGGAAGAAACAGTATGTTGTGGTGAGCAGCAAAAAATGTTGTT
 CTATAATGATGAGCAAGATAAGGAACAATCCAGTCCATCTATGGTGTGGACATAGATAAATGTTCCAT
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 TGTATGCAATGAAGGTGAATGTAGAAAAGATATAGAAGTGAACCAAGTCAACAAGGTGAAAAACTAA
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 GCCAAACCTTTGTGGCATGTTTTAAGCCACCGCTGCCCTAGAGTGTGGAAGATGCCATGTTAAGTCCC
 ACAGGGACCATCTAGACAAGAAAGAGGACTTGATTCCTCCATGCAAAGTAAAGTTATGATGTAACATCAGC
 AAGAGATATGTTGCTGTTAGCATGTCTCAGGATGAACAAAAGAAATGGGTAAGTCACTCTGGTAAAGAA
 ATTCTAAGAAGGCACCTTCTGGCTTTGTCCTGCTCTCCTCGAACGCTGTGCGACAAGATCTACTGCAA
 ATCAGTCTTTCCGAAAGTAGTCAAAAATACATCTGAAAAACTAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_031098

Insert Size:

4110 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	<u>NM_031098.1</u> , <u>NP_112360.1</u>
RefSeq Size:	4501 bp
RefSeq ORF:	4110 bp
Locus ID:	81762
UniProt ID:	<u>Q63644</u>
Cytogenetics:	18p13
Gene Summary:	protein serine/threonine kinase; involved in intracellular signaling [RGD, Feb 2006]