

Product datasheet for **RN201792**

Rock2 (NM_013022) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rock2 (NM_013022) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Rock2
Synonyms:	ROCK-II; ROK
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN201792 representing NM_013022 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGCCGGCCCCCGCCGACGGGAAAAATGCCCGGCCCGCCGAGGCCGCGCCGGGGACGGGGCGGGCG
CGGGTCGTCAGAGGAAGCTGGAGGCGCTCATCCGAGACCCTCGCTCGCCATCAACGTGAAAGCCTGCT
GGATGGCTTAAATTCCTTGGTCCTTGATTTGGATTTTCCTGCTTTGAGGAAAAATAAAAATAGATAAT
TTCTAAATAGATATGAGAAAATTTGAAAAAAATCAGAGGTTTACAGATGAAAGCAGAAGACTATGATG
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ATCTGTACATGGTGATGGAGTACATGCCAGGTGGAGACCTTGTTAACCTGATGAGCAATTATGATGTGCC
TGAGAAGTGGGCAAGTTTTATACTGCTGAAGTCGTGCTTGCCTGGATGCAATACACTCCATGGGCTTA
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AATATCAACGAAAGCTGATCATGAAGCTGACAAGAAACGGAATTTGGAAAATGATGTTAACAGCTTAAA
 AGATCAACTTGAAGATCTGAAGAAAAGAAACCAGAGCTCTCAGATATCCACTGAGAAGGTCAATCAGCTC
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 GCAGAAAGTGGAGAACCTACTCCTGGAAGCCGAGAAGAGATGTTCTATATTGGATTGTGACCTCAAACAG
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 TGAAGAGAAAAGCTAAACTTTGTAAGAGATTGCAGCAGAAAAGCAGGATTTACAGGATGAAAGAGACTCC
 TTGGCTGCCAGCTGGAGATCACCTCACCAAAGCAGACTCTGAGCAGCTGGCTCGCTCCATTGCTGAGG
 AGCAATACTCTGACTTGGAAAAGAGAAGATCATGAAAGAGCTGGAAATCAAAGAGATGATGGCTAGACA
 CAAACAAGAGCTTACTGAAAAGGACGCTACAATTGCATCCCTTGAAGAAACAAATAGAACACTAACTAGT
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 AGAGAGCCAAATTCGAATAGAAGTGCAGATGACCTGGACAGTAAAGACAGTGACATTGAACAGCTTCGG
 TCGCAGCTCCAGGCCTTGATATTGGTATGGACAGTTCAGTATAGGCAGTGGACCAGGGGATGCTGAGC
 CTGATGACGGATTTCCAGAATCACGATTAGAAGGATGGCTGTGCTTGCCTGTGCGGAACAACACTAAAAA
 GTTTGGATGGGTTAAGAAGTATGTGATTGTAAGCAGCAAGAAGATTCTTTTCTATGATAGTGAACAAGAT
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 AAGTAAAAAGGAACCAGAAATTTCCAGTGAACCAAGTGGGAGAAAAATCTAATTATATTTGCCACAAGGA
 CATGAGTTTATTCCTACTCTTTATCACTTCCCAACCAACTGTGAGGCCTGTATGAAGCCACTGTGGCACA
 TGTTTAAACCTCCTCCTGCTCTAGAGTGGCGTAGATGCCACATTAATGTGATAAAGATCACATGGACAA
 AAAGGAAGAGATCATAGCCCCCTGCAAAGTTTATTATGATATATCATCGGCAAAGAACTGTTGTTATTA
 GCAAATTAACGGGAAGAACAGCAGAAATGGGTTAGTCGGTTGGTAAAAAGATACCTAAAAAGCCTCCAG
 CTCCAGACCCTTTTGCCCGATCATCCCCTAGAACCTCAATGAAAAACAACAAAACCAAGTCCATTCGGCG
 GCCCAGTCGACAGCTTGCTCAAACAACCAAGCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_013022

Insert Size:

4167 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:	NM_013022.2 , NP_037154.2
RefSeq Size:	7414 bp
RefSeq ORF:	4167 bp
Locus ID:	25537
UniProt ID:	Q62868
Cytogenetics:	6q16
Gene Summary:	a Rho kinase that is involved in inducing membrane blebbing and chromatin condensation [RGD, Feb 2006]