

Product datasheet for **RN207551**

Chek1 (NM_080400) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chek1 (NM_080400) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Chek1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN207551 representing NM_080400
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGCAGTGCCTTTTGTGGAAGACTGGGATTTGGTGCAAACCTTTGGGAGAAGCGCCTATGGAGAAGTTC
AACTTGCTGTGAATAGAATAACTGAAGAAGCTGTTGCAGTGAAAATTGTAGACATGAAGCGGCCATAGA
CTGCCAGAAAATATTAAGAAAGAGATCTGCATCAATAAGATGTTAAATCATGAGAAATGTAGTGAATTC
TATGGCCACAGGAGGGAAGGCAACATCCAGTACCTGTTTCTGGAGTACTGTAGTGGAGGAGAAGCTTTTG
ATAGAATAGAGCCAGACATAGGGATGCCTGAACAAGATGCTCAGAGGTTTTTCCATCAGCTCATGGCGGG
GGTGGTTTATCTTCATGGCATTGGAATAACTCACAGGGATATTAACCAGAAAACCTCCTCTGGATGAA
AGGGATAATCTCAAAATCTGACTTTGGCTTGGCAACAGTGTTCGGCATAATAATCGTGAGCGCTTAC
TGAACAAGATGTGTGGGACTTTACCTTATGTCGCTCCAGAGCTTCTAAAGAGGAAAGAATTCACGCAGA
ACCAAGTGTGTTGGTCTGTGGAATAGTGCTTACTGCAATGTTGGCTGGAGAATTGCCTTGGGACCAG
CCCAGTGATAGCTGTCAAGAATATTCTGATTGGAAAGAAAAGAAAACCTATCTCAATCCTTGGAAAAAAA
TTGATTCTGCTCCTCTGGCTTGGCTTCTAAAATTCTAGTTGAGAATCCATCAGCAAGGATCACCATCCC
AGACATTAAGAAAGATAGATGGTATAACAAACCACTTAACAGAGGAGCGAAGAGGCCACGTGCTACTTCA
GGTGGTATGTCAGAGTCTTCTAGTGGATTCTCTAAGCACATTCATTCCAATTTGGACTTTTCTCCAATAA
ATAGTGGTTCCAGTGAAGAAAACGTGAAGTTCTCTAGTCCCAGCCAGAGCCTCGGACAGGGCTTTCCTT
GTGGGACACTGGCCCTCAAATGTGGACAACTGGTGAAGGCATCAGTTTTTCCAGCCTACGTGTCCT
GATCATATGCTTGTAAACAGTCAGCTACTTGGTACCCCTGGATCTTCACAGAACCCTGGCAGCGCTTGG
TCAAAAGGATGACACGATTCTTCACTAAATGGATGCAGACAACTTACCAATGCCTGAAAGAGACCTT
TGAGAAGTTGGGCTATCAGTGGAAAGAGTTGTATGAATCAGGTTACTGTATCAACAATGGATAGAAGA
AAACAATAAGTTGATTTTCAAAATAAATTTGGTAGAAATGGATGAGAAGTACTGGTTGACTTCCGCCTT
CTAAGGGTATGGGTTAGAGTTCAAGAGACTTCTGAAGATTAAGGGGAGCTCAGCGATATCGTGAG
CAGCCAGAAGTTTGGTCCCTGTTACGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_080400

Insert Size: 1431 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:

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_080400.1](#), [NP_536325.1](#)

RefSeq Size: 2370 bp

RefSeq ORF: 1431 bp

Locus ID: 140583

UniProt ID: [Q91ZN7](#)

Cytogenetics: 8q21

Gene Summary: protein kinase that can bind to single-stranded DNA; may function in DNA replication and repair [RGD, Feb 2006]