

## Product datasheet for **RN206276**

### **Chek2 (NM\_053677) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Chek2 (NM_053677) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Chek2
Synonyms:	Chk2; Rad53
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN206276 representing NM\_053677  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGAAGAGTCATCAGTCCCACGGCAGCACCTCCTCGAAGGCTCATGACAGTGCTTCTGTTCACAGTCTC  
 AAGGCGGCTTCAGCCAGTCCAAGGCACCCCTCTCAGTTGCACGACCTCTCACAGTATCAGGGTGATC  
 CAGTTCCTCCACCAGCACAGTGCATCCTCCAGCCAGTCTCCCACTCCAGCTCTGGGACCTGAGCTCT  
 TTAGAGACAGTGTCTACTCAGGAAGTCTGTTCTATTCTGAGGACCAAGAACCGGAAGAGCTGGACCTA  
 CTCCTTGGGCTCGGCTATGGGCTCTCAGGATGGATTCTCGAATCTAGACTGTGTTAATGACAACTACTG  
 GTTCGGGAGGGATAAAAGCTGTGAATATTGCTTCGATGGACCACTGTTGAAAAGGACGGATAAGTACCGG  
 ACTTACAGCAAGAAGCACTTTCGCATCTTCAGGAAATGGGCCCTAAGAATTGTTACATTGTATACCTAG  
 AAGACCACAGTGGAAATGGAACCTTTGTAATACAGAGCTTATCGGAAAGGAAAACGCTGCTCTTGGAG  
 TAACTACTGAAATCGCACTTTCAGTGTAGAAATAAAGTTTTTGTATTTTTGATCTGACTGTAGAT  
 GACCAGTCAGTTTATCCTAAGGAATTAAGAGACGAATACATCATGTCAAAAACCTTTGGAAGCGGTGCC  
 GTGGGGAGGTAAGATGGCCTTTGAGAGAAAACGTGTAAGAAAGTGGCCATAAAGATCATCAGCAAGCG  
 GAGGTTCCGCCCTTGGCTCGTCCAGAGAAGCTGACACAGCTCCCAGTGTGGAAACTGAAATAGAAATTTTG  
 AAGAAGCTGAATCATCCGTGCATCATCAAGATTAAGATGTCTTTGATGTGGAAGATTATTACATTGTTT  
 TGGAACTGATGGAAGGAGGAGAATTGTTTGACCGTGTGGTGGGGAACAAACGCTGAAGGAAGCCACCTG  
 CAAGCTCTATTTTACCAAATGCTTTTAGCTGTACAGTACCTTCATGAAAATGGGATCATACATCGGGAC  
 CTAAAGCCAGAGAATGTTCTTCTGTCTCAGGAAGAGGACTGTCTTATCAAGATCACTGATTTTGGAC  
 AGTCCAAGATCTTGGGGAGACCTCCCTGATGAGGACTCTATGTGGTACGCCACTTATCTGGCTCCTGA  
 GGTCTTATCTCCAACGGGACTGTGGGTACAGCCGGCCGTCGACTGCTGGAGCCTAGGAGTCATTCTT  
 TTCATCTGCCTAAGTGGGTATCCACCTTCTCTGAGCATAAGACCCAAGTGTCACTGAAGGATCAGATCA  
 CCAGTGGAAAGTACAACCTTATTCGGAAGTCTGGACAGATGTCTCAGAGAAGGCTCTGGACCTTGTCAA  
 GAACTACTGGTTGTGGATCCAAAGGCCAGGCTTACCACAGAGGAAGCCTTAAGTCATCCTTGGCTTCAG  
 GATGAGCACATGAAGAAGAAGTTTCAGGATCTGCTGGTGCAGGAAAAGAACTTGGTGCCCTCCCTCTGG  
 CTCCTGCCAGACTTCCGGTCAAAGCGGCCCTGGAAGTGGAGGCGGAGGACCGCGAGAGCTCGAAGCG  
 CCTGGCCGTGTGAAGGCTGTGTG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_053677
- Insert Size:** 1638 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\\_053677.1](#), [NP\\_446129.1](#)

**RefSeq Size:** 1749 bp

**RefSeq ORF:** 1638 bp

**Locus ID:** 114212

**Cytogenetics:** 12q16

**Gene Summary:** kinase involved in ATM-dependent DNA damage checkpoint pathway [RGD, Feb 2006]