

## Product datasheet for **RN201988**

### Keap1 (NM\_057152) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Keap1 (NM_057152) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Keap1
Synonyms:	Inrf2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN201988 representing NM\_057152  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCAGCCCGAACCCAAGCCTAGCGGGGCTCCCCGCAGCAGCCAGTTCTGCCCTGTGGTCAAAGTGCC  
 CGGAGGGGGCAGGGGACGCGGTGATGTATGCATCCACGGAGTGAAGGCGGAGGTGACGCCCTCGCAGGA  
 TGGTAACCGAACCTTCAGTTACACACTAGAGGATCACACCAAGCAGGCTTTTGGCATCATGAACGAGCTT  
 CGGCTGAGCCAGCAGCTCTGTGACGTGACCCTGCAGGTCAAATATGAGGACATCCAGCTGCCCAATTCA  
 TGGCCCAAAAGTGGTGTGGCCCTCCAGCCAGTCTTTAAAGCTATGTTACCAACGGGCTTCGGGA  
 GCAGGGCATGGAGGTGGTGTCCATTGAAGGCATCCACCCAAGGTATGGAGAGGCTAATTGAGTTCGCC  
 TACACGGCTCCATCTCCGTGGGCGAGAAGTGTGTGCTGCATGTGATGAACGGGGCAGTCATGTACCAGA  
 TTGACAGCGTGGTCCGAGCTGCAGCGACTTCTCGTGCAGCAGCTGGACCCAGCAACGCCATCGGCAT  
 CGCAACTTCGCGGAGCAGATCGGCTGCACGGAAGTGCACAGCGTGTCTGGGAGTATATCTACATGCAC  
 TTCGGGGAGGAGGAGTTCTTCAACTGTACACTGCCAGCTGGCCACGCTCATACGCCGGATGATCTGA  
 ACGTGGCTGCGAGTCCGAGGTGTTCCATGCGTGCATCGACTGGGTCAAATACGACTGCCCGCAGCGGCG  
 CTTCTACGTGCAGGCACTGCTACGGGCCGTGCGTGCACGCTCTCACGCCACGCTTCTGCAGACACAG  
 CTGCAAAAGTGCAGATCCTGCAGGCCGACGCGCTGCAAGGACTACCTGGTGCAGATCTTCCAGGAGC  
 TCACGCTGCACAAGCCACACAAGCGGTGCCCTGCCGGGCGCCAAAGTGGGCGGCTCATCTACACTGC  
 GGGCGTTACTCCGACAGTGCCTCAGTACCTGGAGGCTACAACCCGAGCAATGGCTCCTGGCTGCGC  
 CTGGCAGACCTACAGGTGCCCGCAGTGGGCTGGCGGCTGCGTGGTGGGCGGCTGTGTATGCTGTGG  
 GCGGCCGCAACAACCTCGCCGACGGCAACTGATTCCAGCCCTGGACTGCTACAACCCATGACCAA  
 CCAGTGGTCCGCTGTGCCTCTATGAGCGTGCCGCGCAACCGCATCGGGGTGGGGTTCATAGATGGCCAC  
 ATCTACGAGTCCGGGGTCCACGCGTGCATCCACCACAGCAGCGTGGAGAGATATGAGCCAGATCGAG  
 ACGAGTGGCACCTAGTCGCGCAATGTTGACGCGGAGGATCGGCGTGGGCGTGGCAGTGTCAACCGCTT  
 GCTGTATGCAGTGGGGGCTTTGATGGGACTAACCAGGCTTAACCTCGGCAGAAATGTTACTACCCGAGAGG  
 AATGAGTGGCGGATGATTACACCAATGAATACCATCCGGAGCGGGGCGGGTCTGTGTGCTGCACAGCT  
 GCATCTATGCCGAGGAGCTACGATGGGACGACCAGCTGAACAGCGTGAACGCTACGACGTGGAGAC  
 AGAGACCTGGACTTTCGTAGCCTCCATGAAGCATCGCCGAGCGCGCTGGGGATTGCTGTGACCCAGGGC  
 AGGATCTACGTCTCGGAGGCTACGATGGCCACACTTTTCTGGACAGTGTGAATGCTATGACCCAGACA  
 CTGATACCTGGAGTGAAGTGACCCGCTTGACATCTGGCCGAGTGGGGTGGGTGTTGCTGTACCATGGA  
 ACCTGTCCGGAAGCAAATTGATCAACAAAAGTGTACCTGCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_057152
- Insert Size:** 1863 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\\_057152.2](#), [NP\\_476493.2](#)

**RefSeq Size:** 3162 bp

**RefSeq ORF:** 1863 bp

**Locus ID:** 117519

**Cytogenetics:** 8q13

**Gene Summary:** binds nuclear transcription factor Nrf2 and retains it in the cytoplasm thus inhibiting it from functioning in the nucleus [RGD, Feb 2006]