

## Product datasheet for **RN206522**

### **Ky (NM\_001108180) Rat Untagged Clone**

#### **Product data:**

|                           |                                      |
|---------------------------|--------------------------------------|
| Product Type:             | Expression Plasmids                  |
| Product Name:             | Ky (NM_001108180) Rat Untagged Clone |
| Tag:                      | Tag Free                             |
| Symbol:                   | Ky                                   |
| Mammalian Cell Selection: | Neomycin                             |
| Vector:                   | pCMV6-Entry (PS100001)               |
| E. coli Selection:        | Kanamycin (25 ug/mL)                 |



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**Fully Sequenced ORF:** >RN206522 representing NM\_001108180  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGCTGAAGAAGGACAGCAACGCTGTGGCCATCGACATGCTGCTCATTGTGCACTCCGAGAAGCGGC  
 GCGCGGCCGAAGCCACGCACTTGGACCCGAGGCGGACCCGGGCGCGCTGCTGCAAAACCGAGGAGGATT  
 CCAAGGTGTGAGAAACGGAATCCGGAAGTGGAAGAATTGGAGGAAAACGGCTTTTCAGGGAACTTGCCA  
 GAGAAGCAGTGCCTTCAGCAGCCTCAGGTCATCACTTCTATGACAACCAAGGTAAGTACTCAGCTGACTGTGG  
 AAATCCACCCCCAAGATGCCATGCCCCAGCTGCTTAAGAAGTTCTCTTTGGCTAAACGTTTACAAGGTGA  
 TAAAAATGAAACATGAGACCCCGGCAGCCTGGAGGGAAGATGCCATGCCTACCCCTGGGACAGATCC  
 AATTTGAAATCCATGCCCTGGACCTCCGACACTTTGAAAACTGGATGCCTCTGCCTCACAGGTGACCC  
 TCAAGAGTGGCTGAATGAGCTGGTGAAGTACTGCTCCAGGAAGCCACAGCGATCTGGAAGGGTCAG  
 AGCCATCTGGATCTGGATCTGCCACCATATAGAGTACGATGTGGAGGCTGCCAGGAGAAGGACCGACAG  
 GCCTTCAAACCCACGAACATCCTGAGGACCCGGAAGACCAACTGTGATGGTTACGCTGGCCTCTTTGAAA  
 GGATGTGCAGGGTTGCTGGTGTGCACTGTGTACCGTGCCTGGCTACTCCAAGGGCTTTGGCTACAAGAC  
 TGGCCAAAGCTTCTCTGGAGAGTTGACACACGCTGGAATGCTGTGTACCTTGAGGGTCTTTGGACCTG  
 GTCTCCCTCCACTACAGCTACAATGAATTCTACTTCTCACCACCCCTGCCCTATTCATTGAGGACCACT  
 TCCCAGACAACAAAACTGGCACTGCTGAAGCCACCCAGTCTCTGAGGCAGTTTGAGAACAACATGTA  
 CCACAAGAGTGAATCTACAATAAGGGCATGTTGAGTGCCACCCAGAGACGCCCATGATCAGAACAGTG  
 AACGGGAAAGCCACCGTCACCATAGAGAGCCGTGCCCGACACTGTTTCATGTTTCATGCTCAACGGCAAGC  
 AAGAGCACGGGCTCCTGAGCCTCAGGAAGAAGGGATGAACTGGAGGTGTACCTCCAACCATGGGCAC  
 CCACAAGCTGCAGATCTTCGCCAAAGGCAACTCTGAAATCTACAGTTTCGGTGTGGAATACACGCTCAAG  
 TGCAACTATGTAGACTTCTCTGTCCGGCTGCCACTGAGCTTCACCAGCCCGTGGGCCCCAGCTGGTTCT  
 CGGAGCAGATGGGCATCAGGAAGCCCTCACACCCTGACCCCATCATCCACACCAGCGACGGTCGCTGCTC  
 CATCAGCTTTGTGGTGAAGAGGGCATCAGCATCCTGGCATCCCTTCATGGCGATGACAGTCCCATCACC  
 GAGGAGACAAAGAGGCGCTACATCTTCAGATGAACCGAGAGAAGAGGACCGAGCTGAAAGTCCAGCTGC  
 CCCATGCTGGCAAGTTTGCCTTAAGATCTTTGTGAAGAAGAGGCAAGAACAAGTAACCTCGTCTTTGT  
 CTTCAACTACCTCTGTGCTGTGCCAACCAAGGTGAAGTGGCCTATGTTCCCGAGATCTACGGCCAC  
 TGGGGACAGGACAATGAGCTGCTAGAGCCTCTCTCGGGGTGCTTCCCGCAACCGCAACATACCCTTCA  
 AACTGAAGCTGCATGGCATTGCCAAAGCTCTGGTGAAGGGCAGGACACATGGCCCTCACCTCAACCC  
 TGAGGGCTACTGGGAGGGCAGCTGCAACACGGCCGGCTGCCAAGAAGTCTATGTCATGGTGTAGAGAAT  
 GCTAACCACAACTTCTACAGTTACATCCTGAAATACAAAGTGAATGACCAG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001108180

**Insert Size:** 1944 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\_001108180.1, NP\_001101650.1

**RefSeq Size:** 5456 bp

**RefSeq ORF:** 1944 bp

**Locus ID:** 315962

**Cytogenetics:** 8q32