

## Product datasheet for **RN203344**

### Mertk (NM\_022943) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Mertk (NM_022943) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mertk
Synonyms:	rdy
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN203344 representing NM_022943 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGTTCTGGCCCCACTACTGCTGGGGCTGCTGCTGCTATCCGCACTCTGGAATGGAGGCACTGCTGAAA  
AGGAGGAAGAAATCAAGCCAGATCAGCCATTTTCAGGGCCTTTACCAGGGAGCCTACCAGCTGACCACAG  
GCCATTCTTCGCCCTCACTCCAGTGGGACCAGCTGTACCATCCAGACTGGAAGATCACATCCAGCA  
CACACAGCCACTCCCAGATGACCTCTGCAGCATCAAACCTCCTGCCTCCTGTTGCATTTAAAAACAA  
TTGGACGCATAGTACTTTTCGGAACATAAAAAGTGTCAAATTTAATTGCTCGATCAACATTCCTAACGTGTA  
TCAAGAAACAGCTGGCATTTCGTGGTGGAAAGATGAAAGGAACTGCTTGGGGCAGATCATTCAATCACA  
CAGTTTTATCCTGATGAGGAAGGGTATCAATAATTGCATTGTTTCAGCATAAACCAGTGTGCAGCGCTCAG  
ACAATGGGTCTGATACATCTGTAAGATGAAGTGAACGATAGAGAGGTTGTGTCTGATCCCATATACGTGGA  
AGTCCAAGGACTCCCTTACTTTACTAAGCAGCCTGAGAGCGTGAATGTACCAGAAACACAGCCTTCAAC  
CTCACCTGCCAGGCTGTGGGACCCCTGAGCCCGTCAACATCTTCTGGTTCAAAATAGCAGCCGTGTTA  
ATGAAAATCCAGAAAGTCCCGTCTGCTCAACTGTGCTGCTGACAGAGACCGCAGCTTCCAGCTG  
TGAGGCCACAACGACAAAGGACTGACGGTGTCCAAGGGTGTACAGATCAACATCAAAGTCAATCCCTTCC  
CCACCCACTGAAGTCCATATCCTCAACAGCACAGCGCACAGCATCCTGGTCTCCTGGGTCCCAGGTTTTG  
ATGGCTACTCCCCACTTCAGAACTGCAGCATTCAGGTCAAGGAAGCTGACCAGCTGAGTAATGGCTCAGT  
CATGGTTTTTAATACCTCTGCTTCGCCACATCTGTATGAAGTCCAGCAGCTGCAAGCCCTGGCTAATTAC  
AGCGTCACTGTGCTCCTGTCGGAATGAGATTGGCTGGTCTGCAGTGAAGCCTTGGATCCTGGCCAGCACTA  
CAGAAGGAGCTCCAGCAGTGGCGCCTCTAAACATCACTGTGTTTCTGAACGAATCCAGCAACAACCTGGA  
AATCAGATGGACGAAGCCTCAATTAAGCGGCAGGATGGGAACTGGTGGGCTACCGGATATCTCACGTG  
TGGGAGAGTGCAGGACTTCAAAGAGCTTTCTGAAGAAGTCAGCCAGAATGGCAGCTGGGCTCAGTTTC  
CTGTCAAATGCACAATGCCACCTGCACAGTGAAGTTCGCGTCACTAAAGGGGGCATTGGGCCCTT  
CAGTGAGCCAGTGGACGTAGCCATTCGGAGCACAGTAGGGTAGATTACGCACCCTCATCAACCCAGCC  
CCTGGCAACACCGAGTCTATGCTCATCATCCTGGGCTGCTTCTGCGGGTTTGTCTCATGGGTTGATTC



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TGTATCTTTCTCTGGCCATCAAAAGGAGAGTCCAGGAAACAAAGTTTGGGGTGCATTCTCCGAGGAGGA  
CTCCCAATTAGTTGTAATTACAGAGCAAAGAAGTCCTTCTGTCGGCGAGCCATCGAGCTTACCTTGCAA  
AGCCTGGGGGTGAGCGAGGAGCTGCAAAACAAGCTAGAAGATGTTGTGGTTGACAGAAATCTTCTAATTC  
TTGGGAAAGTTCTGGGCGAAGGAGAGTTTGGGTCTGTAATGGAAGGAAATCTGAAGCAGGAAGATGGGAC  
TTCTCAGAAGGTGGCAGTGAAGACCATGAAGTTGGACAACCTTTCTACGGGAGATCGAGGAGTTTCTC  
AGCGAAGCAGCGTGCATGAAAGACTTCAATCACCCAAACGTCATCCGGCTTCTAGGCGTGTGTATAGAAC  
TGAGCTCTCAAGGCATCCCGAAGCCATGGTGATTTTACCCTTCATGAAATACGGAGACCTCCACACCTT  
CCTGCTATATTCCCGGATAGAATCAGTACCGAAGTCCATCCCCCTGCAGACACTGCTGAAGTTCATGGTG  
GACATTGCCAGGGAATGGAGTACCTGAGCAGCAGGAATTTTCTCCACAGGGATTTAGCTGCTCGGAATT  
GCATGTTGCGGGATGACATGACTGTCTGCGTGGCAGACTTTGGCCTCTCTAAGAAGATTTACAGTGGTGA  
TTATTACCGCCAAGGCCGATTGCCAAAATGCCTGTGAAGTGGATCGCCATAGAGAGCCTGGCGACCGA  
GTCTACACAAGCAAGAGTACGTGTGGGCTTTTGGCGTGACCATGTGGGAAATAGCAACACGGGGAATGA  
CTCCCTATCCTGGAGTCCAGAACCATGAGATGTACGATTACCTTCTCCACGGCCACAGGCTGAAGCAGCC  
CGAGGACTGCCTGGATGATCTGTATGAAATCATGTACTTTGCTGGAGTGTGATCCCCTGGACCGACCC  
ACCTTCTCAGTGTGAGGCTGCAGCTGAAAAGCTCTCCGAGAGTTTGCCTGATGCCAGGACAAAAGAT  
CCATCATCTACATCAATACACAGTTACTAGAGAGCTGCGAGGGCCTAGCCAACAGGTCCTCCCTCGCAGG  
GCTAGACATGAACATTGATCCTGACTCCATCATTGCCTCTTGACAGCAGGTGCTGCTGTGAGCGTGGTC  
ATGGCGGAAGTTCACGAGAAACCTTCATGAGGAAAGATACATCTTAAATGGGGCAACAGGAAATGGG  
AAGATGTGGCCTCCACTCCATTTGCTACAGTCACAGCTGGAAAAGATGGTGTGTTACCAGAGGACAGACT  
CACCAAAAATGGCATCTCCTGGTCTCACCATAGTACGCTACCCTTGGGGAGCCATCACCAGATGAACCT  
CTGTTTGACAGCAGACTCCTCGGGAGACTCTGAAGTTCTGATGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_022943

**Insert Size:** 2985 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\\_022943.1](#), [NP\\_075232.1](#)

**RefSeq Size:** 3024 bp

**RefSeq ORF:** 2985 bp

**Locus ID:** 65037

UniProt ID: [P57097](#)

Cytogenetics: 3q36

Gene Summary: receptor tyrosine kinase; involved in the phagocytoses of the shed outer segments by retinal pigment epithelial (RPE) cells [RGD, Feb 2006]