

Product datasheet for **RN211589**

Rpe65 (NM_053562) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rpe65 (NM_053562) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Rpe65
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN211589 representing NM_053562
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTATCCAAATTGAACACCCTGCTGGTGGCTACAAGAACTATTTGAACTGTGGAGAACTGTCCA
 CACCCTAACAGCTCATGTCACAGGCAGGATCCCTCTGGCTCACTGGCAGTCTCCTTCGATGTGGGCC
 AGGGCTCTTTGAAGTTGGATCTGAGCCTTTTTATCACCTGTTTGTGGACAAGCCCTTTTGCACAAGTTT
 GACTTTAAGGAGGGCCATGTCACATACTACAGGAGATTATCCGCACTGATGCTTATGTTTCGAGCAATGA
 CCGAGAAGAGGATTGTCATAACAGAATTTGGCACCTGTGCTTTCCAGACCCCTGCAAGAATATATTTTC
 CAGGTTTTTTTCTACTTTTCGAGGAGTAGAGATTACTGACAATGCCCTTGTAAATATTTACCCAGTGGGA
 GAAGATTACTATGCATGCACAGAGACCACTTTATCACAAGATTAACCCAGAGACCTTGGAGACTATTA
 AGCAGGTTGATCTTTGCAACTATGTTCCGTCAATGGTGGCCACTGCTCATCCACATATTGAAAGTATGG
 AACAGTTTATAACATTGGCAATGCTTTGGGAAAAATTTACAGTTGCCTACAACATTATTAAGATCCCT
 CCACTGAAAGCAGACAAGGAAGACCCAATAAACAAGTCAGAAGTTGTTGTGCAGTCCCATGCAGTGATC
 GGTTCAGCCATCTTATGTACACAGTTTTGGTCTGACTCCCAACTATATCGTTTTTGGGAGACTCCAGT
 CAAAATTAACCTTTCAAGTTTCTTTCTCGTGGAGTCTTTGGGGAGCCAACTACATGGACTGTTTCGAG
 TCCAATGAAAGCATGGGGTTTGGCTTCATGTTGCTGACAAAAAAGAAGAAAATATTTCAATAACAAAT
 ACAGGACCTCCCCTTTCAATCTCTTCCATCATATCAACTTATGAAGATAATGGGTTTCTGATTGTGGA
 TCTCTGTTGCTGGAAAGGGTTTGAATTTGTTTATAATTACTTATATTTAGCTAATTTACGTGAGAATTGG
 GAAGAAGTAAAACGAAATGCTATGAAAGCTCCTCAGCCTGAAGTCAGGAGATACGTTCTTCTTTGACAA
 TTGACAAGGCTGACACAGGCAGAAATTTAGTCACACTTCCCATAACAAGTCCACAGCCATTCTGTGCA
 TGATGAGACCATATGGCTGGAACCTGAAGTCCTTTTTCAGGGCCCGTCAAGCCTTTGAATTTCTCAA
 ATCAATTACCAGAAATGTGGGGGAAACCTTACACTTATGCATACGGACTTGGATTGAATCACTTTGTTT
 CAGACAAGTTGTGAAGCTGAATGTCAAACTAAAGAAATCTGGATGTGGCAAGAACCGATTCTTACCC
 ATCTGAACCCATCTTTGTTTCTCAACCGGATGCTCTGGAAGAAGATGATGGTGTAGTTCTGAGTGTGGT
 GTGAGTCTGGGCAGGACAAAAGCCTGCATATCTCTGGTTCTGAATGCCAAAGACTTGAGTGAATTTG
 CCAGGGCTGAAGTGGAGACTAATATTCTGTGACCTTCCATGGACTGTTCAAAAAACCA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_053562
- Insert Size:** 1602 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_053562.3](#), [NP_446014.2](#)

RefSeq Size: 2147 bp

RefSeq ORF: 1602 bp

Locus ID: 89826

UniProt ID: [O70276](#)

Cytogenetics: 2q45

Gene Summary: present during late retinal development [RGD, Feb 2006]