

Product datasheet for **RN215546**

Ppef1 (NM_001034935) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ppef1 (NM_001034935) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ppef1
Synonyms:	MGC125115
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN215546 representing NM_001034935
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCTGTGGCAGTTCTTCAAAAAAGGCAAGAAATCTGAGAAAGTGGTGAGAGCTGCATTAATCATCC
 AAAATTGGTACCGACGGTACAGAGCTCGACTGAGCGCCAGACAACATTATGCCCTCGCCATCTCCAGTC
 TATCGAATATGCTGACGAGCAAGGCCAGATGCAGCTATCCAGCTTCTTTTCTTTTCATGTTGGAAAACTAT
 ACAAACACACACAAGGAAGATTAGCATTAGTAAGTGCAGCTTTTTGAAAACACCAGGCTCGAAAGCAAGG
 ACAGAGAGGAATACGTGGGATTGATAGATGTGCCTGACTCCTATGACGGTCTCGCTGCAGTTTCTCT
 CACGTTTACTGACATCAATTTACTTCTTCAGGCCCTCAAGCAACAGCAGACACTTCATGCTCACTATGTC
 TTAGAGGTGCTATTTGAAGCCAGGAAAACTGAAGCAGATGCCGAATTTCACTCGCATACAAACCTTTCC
 CGCCAAAGAAAATAACAATCTGTGGTATTGTCATGGGAACTGGATGATCTTATGTTAATTTTCTATAA
 GAATGGCTCGCTTCAGAGAAGAATCCATATGTGTTAATGGTATTTGTAGATCGAGGAAACAATTCC
 ATGGAGATCCTAATGATCCTGCTTGTAGTTTTCTGTCTACCCCACTGACCTGCACCTCAATAGAGGGA
 ACCATGAAGACTTTATGATGAACCTGAGGTATGGCTTCACAAAAGAAATCTTACAGAAATACAAGCTACA
 TGGGAAAAAATCTTACAAGTCTTGAAGAAGCTATACCTGGCTCCCAATTGGTACAATTATTGACAAT
 GAAATCCTGGTCATACATGGTGGGATATCAGAATCCACGGACTTGAATATACTCCAGCAACTACAGAGAA
 ATAAAAAGAAGTCTGTGTTAATGCCACCAATGTCAACAAATCAGGAATGTAAACATAAAGAAAAATAAAGC
 AGGGCCGAGCGAACAGTCTGCTTCTGAACAGTTGACAAAGCTGGAATGGGAACAGATTATTGACCTTCTG
 TGGAGTACCCCGAGGCAAAAAAGGCTGTTATCCAACACAAGCCGAGGAGGCGGCTGCTATTTTGGAC
 CAGATGTTACTCTAAGTTCTTAATAAAAACCAGTTGAAGATGGTCATTCGGTCTCATGATGTAACCC
 TGATGGGTATGAAATCTGTCATGATGGAAGGTCATTACTGTATTTTCTGCTTCTAATTATTATGAAGAA
 GGCAGCAACCGAGGAGCTTACATCAGACTAAGTTATGGTACATCTCCACAATTTTCCAGTACCAAGTGA
 CTAGTACATCATGCCTGAACCTCTTTACCAAAGGGTGAATGCTATGGAATTCAGTGCCTTCAGGATACT
 AAAGGAAAGAATGATTGCAAGAAAACTGACCTTATCAATGCTTTTGGAGCTCCGAGATCACAGTAGGACA
 GGAAAGATTTTATTGGCCAGTGGGCTTTTCTATGGAGAGCATTGTTGGGCTGAACTTACCGTGGAGAT
 CTCTGAGTTCGCATCTGGTAAGCACTGACTCCAGCGGAAGCGTCGACTACATGTCCAGCTTTGATGACAT
 CCACATTGAGAAGCCGATGAAAGATATGAAGTCTGATCTCATTGAACTATGTACAGATACCGATCTGAC
 CTGAAAAATCATATTTAATATCATCGACACCGATCAGTCAGGTCTGATCTCCATGGATGAATCCGGACCA
 TGTGAAAATTTTCAATGCTCATTACAAAGTTCATATTGATGATCCCAAATTGATGAGCTTGCCAGCAC
 AATGGACTCCAACAAAGATGGCAACATAGACTTTAACGAGTTTTTAAGGGCTTTCTATGTAGTCCATAAA
 TACGAGACGCCAGAGAGCCCTTTGAACAAATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001034935
- Insert Size:** 1923 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_001034935.1](#), [NP_001030107.1](#)

RefSeq Size: 2497 bp

RefSeq ORF: 1923 bp

Locus ID: 317498

UniProt ID: [Q3SWT6](#)

Cytogenetics: Xq14

Gene Summary: May have a role in the recovery or adaptation response of photoreceptors. May have a role in development (By similarity).[UniProtKB/Swiss-Prot Function]