

Product datasheet for **MC204310**

Ppef2 (NM_011148) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ppef2 (NM_011148) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ppef2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>BC027049
 CCAGGGTGTGCTGCCACGGCTTGAAGGTGGACATTGTGATTGTACATGGCACTTGAAATGCATTGCC
 AGGGTAGTCGGTGTATCCTGCTCCCTGAGAAGACAACATCAGACAAAGGTTAGACCTGACCCCATCAGG
 CAGTTCATCCACCAACCGTGAAGAAAGATGGTGATCAGACATGGGTAGGTGCCTGCCTCCTCGTGTCT
 CAGAGTCAGCTAAGCTCCTGGAAGCAAAACCCCTCCGTTCCCTCGGATCGGGATCCGCCACTGCCGTCCAT
 GTCCTGCAGGAGCGCTGTCCCTCAGCCATGGGAAGCAGCTCATCCACCCAGCACCCTTTGCGTTTCAGA
 ACGCTGAGAAAGCCTTCAAGGCAGCGGCCCTGATCCAGAGATGGTACCGCGCTACATGGCCCGCCTAGA
 GATGAGGAGGCGATGTACCTGGAACATCTTCCAGTCTATAGAGTATGCTGGACAGCAAGACCAGGTCAAG
 CTCCATGAATTCTTCAGTACCTTGTGGACATTTCACTCCCAGCAGCCACCATGAGAGAGATTTCTGA
 ACCGCATGTTACCGAAGAGAGATTGCGCCAGGACGTGGAGACAGAGAGGGTGGAGATTTGAATCCAT
 AGAGGTGCCAGACAGCTACACGGGGCCACGCCTCTCCTCCCCCTTCTTCTGACCATGCCACTGCCCTG
 GTGGAAGCTTTCAGGCTGCGACAACAGTCCATGCTCGATACGTCTTGAATCTTCTGTACGAGACCAGAA
 AACACCTGGCCAGCTGCCAACATCAACCGAGTCTCCACCTGCTACAGCGAGGAGGTACAGTGTGTGG
 AGATCTACATGGCCAGTTGGATGATTTAATATTTATATTTATAAGAACGGTCTACCATCACCAGAGAGA
 GCATACGTGTTCAATGGTGACTTTGTGGATCGAGGCAAGGACTCTGTAGAGGTCTGATGGTTCTCTTTG
 CCTTCATGTTGGTATACCCAAGGAGTTCCATCTTAACAGAGGAAACCATGAGGACCATCTAGTGAACCT
 ACGATATGGCTTACCAAGGAAGTGATGCATAAATAACAAGATACATGGGAAGAAAATCCTAAGGACACT
 CAGGATGTCTTCTGCTGGCTTCCGTTGGCCACTCTGGTTGATGAGAAAGTCTTGTCTTCATGGTGGAG
 TCTCAGACAAGACAGACCTGGAACCTCTGGCTAAACTAGACAGGCACAAGATTGTTTCTACCATGAGGTG
 CAAAACAAGAAAGGAAAGTGAGAATCGAGAGGAGCAGAAGAGAAAAGATAACCAGACAAGCTCTGGACAG
 AAACCTACTCCGTGGTTTCTTCTCAAAGCCGCTCTCTGCCCTCTTCGCTTTTACCTGGGCTCTGGCT
 TTAAGGCTACAAAGCCGCGAGTCTGAGCATCCCCGTGGTCCCCTAACAGCAAGGAGCTATCCCCG
 GCGGGGCGAGGTGCGGCGCTCAGTGGACCTGGAACAGTGCCGGCAGCAAGCCGCTTCTCTGGG
 ATCAGAGAGAAGGGGAGTCTTGCCTTTGGCCCCAGATGCTGACTGTGTTGCTGATGGGGAGGGGTGC
 TGAACCCACCCCGAGGAGTGGAAGCAGGTTGTAGATATTCTGTGGAGTGATCCCGCGGCTCAGGAGGG
 CTGCAAGGCCAACGCTGTCCGAGGAGGAGGCTGTTACTTTGGGCTGACGTGACAGAACGGTTGATGGAA
 AAATACAAGCTGCAACTCCTGATCCGTTGCGATGAGTGCAAAACCCGAGGGCTATGAGTTCTGTCACAACC
 GCAAGGTGTTAACCATCTTTCTGCCTCCAACCTACTATGAAGTTGGCAGCAACAGAGGAGCCTACGTCAA
 GCTGGGGCCAGCCCTGACTCCACATATCGTGCAGTATCAAGCTAACAGGCGACCCACAGGCTAACCATG
 AGGCAAGGATCAGCAGGTTGGAGGAGTCGGCCCTCAGAGCCCTTCGACAGAAATATTTGCTCATTCTGT
 CGGACCTGCTTGTGAGTTTAGGAAGCGCGACCCGGATGAGAGCGGTGTCATCACCTGAGTGATTGGGC
 GACTGCCGTGGAGTCTGTGCTGCACCTGGGACTGCCCTGGCGGATGCTGCGGCCACAACCTGGTGAATAGT
 TCAGCGGATAACGTGTTGGAATACAGGTCTGTTGGACAGTTTGGCCAAAGAACAGCTGAGCCGAGAGA
 ATATTCAGTCGAGTTTGCTGGAAAAGCTCTATCGAAACCGATCCAACCTGGAGACCATTTTAGGATCAT
 AGACAGCGATCATTACAGATTCTCTCCTGGATGAGTTCAGGCAGACTTGGAAGCTCTTCAGCTCACAT
 ATGAGCATCGACATCACAGATGACGGCATCTGTGACCTCGCCAGAAGCATCGACTTCAACAAGGATGGCC
 ACATCGACATCAATGAGTTCCTGGAGGCCTTCCGCTCGTGGAGCAGTCTGCTTAGAGGGCCACGCCTC
 TGCTTGCTGCACTCCACAGACACTGCTGAGAGTGGCCATAGCAGTCCAGGCCATGCTGAGGATAGACT
 GGTCTATTACTCAAAGTGCCTAAGGCGATGCTGAGTTTATGACTCCACATGGACTTGACTTTATCCTGA
 AAATTTGCCACCACAAAGCATTCAAATCAAGAGTTACCTGTTTGGACTGGAGAGATGGTTAGTGGTTAA
 GAGCACTGACTGCTCTTCAGAGGTCCTGAGTTCAATCCCGGCAACCACATTGTGGTTCAAGTGGATC
 TGTGAGCCTCTTCTGGTGTGATGAAGACAGCTACAGTGAAATCATATACATAAAATAAATAATTTAAAA AAAAAAAAAA

Restriction Sites:

RsrII-NotI

ACCN:

NM_011148

Insert Size:

2274 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>BC027049</u> , <u>AAH27049</u>
RefSeq Size:	2881 bp
RefSeq ORF:	2274 bp
Locus ID:	19023
UniProt ID:	<u>O35385</u>
Cytogenetics:	5 E2
Gene Summary:	May play a role in phototransduction. May dephosphorylate photoactivated rhodopsin. May function as a calcium sensing regulator of ionic currents, energy production or synaptic transmission.[UniProtKB/Swiss-Prot Function]