

Product datasheet for **MR219324**

Ppef1 (NM_011147) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ppef1 (NM_011147) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ppef1
Synonyms:	PPEF-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR219324 representing NM_011147
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCTGTGGCACTTCTTCAAAAAAGGCAACAATCTAAGAAAGTGATAAAAGCCGGTATAGTCATCC
 AAAATTGGTACCGCGGTACAGAGCTCGACTGAGGGTCAGACAGCATTATGCCCTCGCCATCTCCAGTC
 TATTGAATATTCTGACGAGCAAGGCCAAATGCAGCTATCCAGCTTCTTTTCGTTTCATGTTGGAAAACTAC
 ACAAAGACAAATAATGAAGATTCAGCATTAGTAACTCGAATTTTTGACAACACCAGGCGGAAAAGCCAAA
 TCAAGGATAGAGATGACTTTTTGGGGTTGATAGAAGTGCCTGACTCCTATGATGGTCTCGGCTGCAGTT
 TCCTCTGACGTTTACTGACATCCATATACTTCTCAGGCCTTCAAGCAACAGCAGATACTTCATGCTCAC
 TACGCTTAGAGGTGCTATTTGAAGCTAGGAAAGTCTGAAGCAAATGCCGAATTTCTCTCATGTAAAA
 CCTTTCCCGCCAAAGAGATAACAATATGTGGTATTTGCATGGGAACTGGATGATCTTATGCTGATTTT
 CTATAAGAATGGCCTGCCTTCAAGAACTCCATACGTTTTCAATGGTGACTTTGTAGATCGAGGAAAC
 AATTCATGGAGATCCTAATGATCCTGCTGTTTGTGTTTTCTGTCTACCCCTCTGACCTGCACCTCAATA
 GAGGGAACCATGAAGACTTTATGATGAACCTGAGGTATGGCTTCAAAAAAGAAATTTTACAAAAATACAA
 GCTACACGGGAGAAAAATCTTACAAGTCTTGAAGAAGTCTATACCTGGCTCCCAATCGGTACAATTATT
 GACAACGAAATCCTGGTCATACATGGTGGGATACAGAATCCACAGACTTGAATACACTCCACCAGTTAC
 AAAGAAATAAAATGAAATCTGTGTTGATGCCGCCAGTGTGGGAAATCAAGAGACTGGCGAAAAGAGAAA
 TAAATCAGCGTCAAATATGTTGAACCAAGGAAGTGAACCAGACAAGACTCCTTCTGAAGACTTGACA
 AAGCAAGAATGGGAACAAATAGTTGACATTCTGTGGAGTGACCCAGAGGCAAAAAAGGCTGTTATCCAA
 ACACAAGCCGAGGAGGGGCTGCTATTTTGGACCAGATGTTACCTCTAAGTTCTTAGTAAAAACAGTT
 GAAGATGCTCATTAGGTCTCATGAGTGTAAACCCGACGGTATGAAGTCTCTCATGATGGAAAGGTCATT
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 GTACAATGCCACAATTTTCCAGTACCAAGTAACTAGTACATCATGCCTGAACCTCTTACCAAAGGAT
 GAATGCTATGGAATCCAGTGCTTCAAGATACTAAAGGAAAAATGATTTACGAAAACTGATCTCATC
 AACGCTTTGAGCTCCGTGACCACAGTAGGTGAGGAAGGATTTTATTGGCCGAGTGGGCATTTTCTATGG
 AGAACATTTTGGGGCTGAACTTACCATGGAGATCTCTAAGTTCACACCTGGTAACCATTGATCCAGCGG
 AAGTGTGACTACATGTCCAGCTTGGACGATATCCGTATTGAAAAGCCTACGAAAGATATGAAGTCCAAT
 CTAAGTAACTATGTACAGATACCGATCTGACCTGAAAATCATATTTAATATCATCGACAGTGATCAAT
 CAGGCTGATCTCCATGGATGAATTTCCGACCATGTGGAACTTTTCAATGCTCATTACAAGCTCATAT
 AGATGATCCCAAATTGATGAGCTTCCAGCATAGTGGACTTCAACAAAGATGGCAACATCGACTTAAT
 GAGTTTTTAAAGGCTTCTATGTAGTACATAAATATGATAAGCCAGGACCAGTCTTGCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTAA

Protein Sequence: >MR219324 representing NM_011147
Red=Cloning site Green=Tags(s)

MGCGTSSKKGKNSKKVKAALVIQNWYRRYRRLRVRQHYALAFQSI EYSDEQQGMQLSSFFSFMLENY
 TKTNNEDSALVTRIFDNTRRESQIKDRDDFLGLIEVPDSYDGPRLQFPLTFDIIHILLQAFKQQQILHAH
 YVLEVLFEARKVLKQMPNF SHVKTFFAKEITICGDLHGKLDLMLIFYKNGLPSENNPYVFN GDFVDRGN
 NSMEILMILLVCF LVYPSDLHLNRGNHEDFMMNLR YGFTKEILQKYKLHGRKILQVLEEVYTWLP IGTII
 DNEILVIHGGISESTDLNTHLQLQRNKMKS VLMPPVLGNQETGEKRNK SASNYVEPRKVEPKTP SEDLT
 KQEWQIVDILWSDPRGKKGCYPNTSRGGGCF GPDVTSKVL SKNQLKMLIR SHECKPDGYEVSHDGKVI
 TVFSASNYEEGSRGAYIRLSYGTMPQFFQYQVT STSCLNPLHQRMNAMESSAFKILKEKMISRKTDLI
 NAFELRDHSRGRISLA EWF SMENILGLNLPWRS LSSHVTIDSSGSDYMSFDDIRIEKPTKDMKSN
 LTETMYRYSDLKII FNIDSDQSG LISMDEFRTM WKL FNAHYKAHIDDSQIDELASIVDFNKDGNIDFN
 EFLKAFYVVHKYDKPGTSLA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9065_a10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_011147

ORF Size: 1950 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_011147.1](#), [NP_035277.1](#)

RefSeq Size: 2483 bp

RefSeq ORF: 1953 bp

Locus ID: 237178

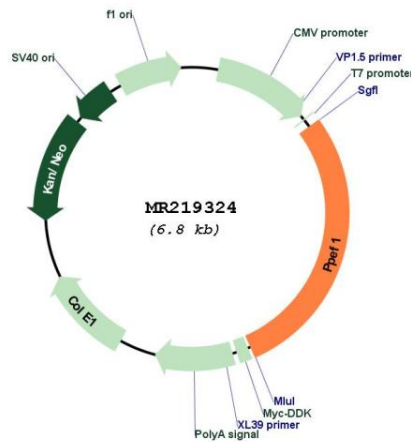
UniProt ID: [O35655](#)

Cytogenetics: X 73.95 cM

MW: 75.1 kDa

Gene Summary: May have a role in the recovery or adaptation response of photoreceptors. May have a role in diverse sensory neurons and in development.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR219324