

Product datasheet for **SC314610**

PPEF2 (NM_006239) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPEF2 (NM_006239) Human Untagged Clone
Tag:	Tag Free
Symbol:	PPEF2
Synonyms:	PPP7CB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC314610 representing NM_006239.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGAAGCGGCACCTCCACCCAACATCATTTTGTCTTCCAGAATGCAGAGAGAGCCTTCAAGGCAGCA
GCCCTGATCCAGAGATGGTACCGGCGCTACGTGGCCCGCCTGGAGATGAGGCGGCGTTGCACCTGGAGC
ATCTTCCAGTCTATAGAATATGCTGGGCAGCAAGACCAAGTCAAGCTCCATGACTTCTTCAGCTATCTC
ATGGATCACTTCACTCCCGCAGCAGCCACAACGACAGGGACTTCTGACCCGCATATTCAGTGAAGACAGA
TTCCGCCAGGACTCCGAGATGAAGAAATGCAGTGACTATGAATCCATAGAGGTACCCGACAGTTACACG
GGGCCACGCTCTCCTTCCCACTCCTGCCTGACCATGCAACTGCCCTGGTGAAGCATTACAGCTGAAA
CAACAGCTCCATGCTCGTACGTCTTGAACCTTTTGTATGAAACCAAGAAACATCTGGTACAGCTGCCA
AACATCAACCGGGTCTCAACCTGTTACAGTGAGGAGATCACAGTGTGTGGAGACTTACATGGCCAATTG
GATGACTTAATCTTTATATTTTATAAGAATGGCCTCCCGTCGCCAGAACGGTCATATGTGTTCAACGGT
GACTTTGTGGATCGAGGCAAGGATTTCAGTAGAGATCCTGATGATTCTTTTGCCTTCATGCTGGTTTAC
CCCAAAGAGTTCCATCTTAACAGAGGAAACCATGAGGACCATATGGTGAACCTTACATATGGCTTACC
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CGAGGAGGAGGCTGTTATTTTGGCCTGATGTGACACAACAGTTGCTACAAAAATACAACATGCAATTC
CTGATCCGTTACATGAATGCAACCTGAAGGCTATGAATTCTGTACAACCGCAAGGTATTAACAATC
TTTTCTGCCTCCAATACTATGAAGTTGGCAGCAACAGAGGGCCTATGTCAAATGGGGCCAGCCCTG
ACCCACATATTGTGCAGTATCAAGCTAACAAGGTGACCCACACACTCACCATGAGGCAAGGATTAGC
AGAGTGGAGGAGTCGGCTCTGAGAGCTCTGAGGAGAAGCTGTTTGTCTATTCTTCAGATCTTCTCAGT
GAATTTAAGAAGCATGATGCAGATAAAGTCGGTTTAATCACCTTGAGTGACTGGGCAGCAGCGGTGGAG
TCTGTGTTGCACCTAGGACTGCCATGGCGGATGCTGAGGCCACAGCTGGTGAACAGCTCAGCAGACAAC
ATGCTGGAGTACAAGTCTTGGCTGAAGAACTTGGCCAAGGAACAACCTGAGTCGCGAGAACATACAATCA
AGTTTGTGGAACATTGTATCGAAACCGATCCAACTAGAGACCATTTTATAGGATCATAGACAGTGAT
CATTACAGGTTTCACTCACTGGACGAGTTCAGGCAGACCTGGAAGCTGTTTCACTCTCACATGAATATC
GACATTACAGATGACTGCATCTGTGACCTTGTCTGGAGCATTGATTTCAACAAAGATGGCCACATTGAT
ATCAATGAGTTCCTGGAGGCTTCCGCTTGTGGAGAAATCCTGCCAGAGGGCGATGCCTCAGAATGC
CCACAAGCTACAAATGCTAAAGACAGTGGCTGCAGCAGTCCAGGTGCACACTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: SgfI-MluI

ACCN: NM_006239

Insert Size: 2262 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).

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_006239.2
RefSeq Size:	3430 bp
RefSeq ORF:	2262 bp
Locus ID:	5470
UniProt ID:	O14830
Cytogenetics:	4q21.1
Domains:	IQ, EFh, Metallophos, PP2Ac
Protein Families:	Druggable Genome
MW:	86.5 kDa
Gene Summary:	This gene encodes a member of the serine/threonine protein phosphatase with EF-hand motif family. The protein contains a protein phosphatase catalytic domain, and at least two EF-hand calcium-binding motifs in its C terminus. Although its substrate(s) is unknown, the encoded protein, which is expressed specifically in photoreceptors and the pineal, has been suggested to play a role in the visual system. This gene shares high sequence similarity with the Drosophila retinal degeneration C (rdgC) gene. [provided by RefSeq, Jul 2008]