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Product datasheet for SC116949

PP4R1 (PPP4R1) (NM_005134) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PP4R1 (PPP4R1) (NM_005134) Human Untagged Clone
Tag:	Tag Free
Symbol:	PP4R1
Synonyms:	MEG1; PP4(Rmeg); PP4R1
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

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>OriGene ORF sequence for NM_005134 edited
CGGCACCAGCCGCCAGCCCGGCCCTCCTCCTCCCCGCCGCCCCTCCCGCGCGCGTCCACC
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CCCAGTTCTCCAAACATCACCATGGCCACCAGAAAGGAACTGGAAGAAATGATAGAAAAT
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A

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005134 unedited
TGTCACCATTTGTATACGACTCACTATAGGCGGCCGCGAATCGGCACCAGCCGCCAGCCC
GGCCCTCCTCCTCCCCGCCGCCCCTCCCGCGCGCGTCCACCGGCTCCCCGGCTCGCGCCG
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3' Read Nucleotide Sequence:

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>OriGene 3' read for NM_005134 unedited
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AGCACTCCCAAGAGTGGTCACAGGTATGTACAGTATGTGAAGAAGTTGCACCTCAGAGCT
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CCCAGTACATGCGTGGCGAATGCCCACTGNACCTCGGCTCCATGGAAGCAGGAAGACCCG
AGATTCAGCCTCTANTAGGGTGAGACGCGTGCTCATGGCATCTCGAAATTTGTACTGCCA
GGGGGATGCTGCAAATACTGACTCGCTGCACGGTCATCTGAAGGC
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Restriction Sites: NotI-NotI

ACCN: NM_005134

Insert Size: 5410 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_005134.1, NP_005125.1

RefSeq Size: 3878 bp

RefSeq ORF: 2802 bp

Locus ID: 9989

UniProt ID: Q8TF05

Cytogenetics: 18p11.22

Domains: HEAT

Protein Families: Druggable Genome, Phosphatase

Gene Summary: This gene encodes one of several alternate regulatory subunits of serine/threonine protein phosphatase 4 (PP4). The protein features multiple HEAT repeats. This protein forms a complex with PP4RC. This complex may have a distinct role from other PP4 complexes, including regulation of HDAC3 (Zhang et al., PMID: 15805470). There is also a transcribed pseudogene on chromosome 20. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2012]
Transcript Variant: This variant (2) uses an alternate in-frame splice site compared to variant 1.This results in a shorter protein (isoform b), compared to isoform a.