

## Product datasheet for **SC328206**

### **PIN4 (NM\_001170747) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PIN4 (NM_001170747) Human Untagged Clone
Tag:	Tag Free
Symbol:	PIN4
Synonyms:	EPVH; PAR14; PAR17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC328206 representing NM_001170747. Blue=Insert sequence Red=Cloning site Green=Tag(s)

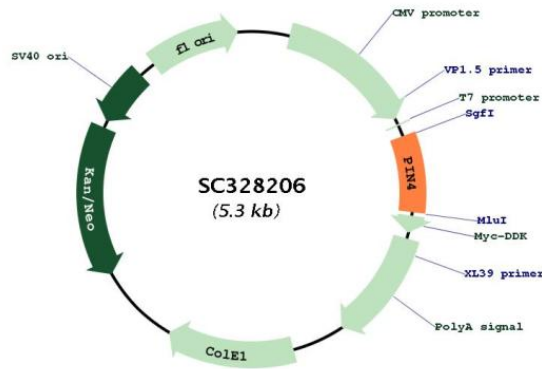
```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCATGGCGGGCTTCTAAAGGGCTGTACGGCAACTGGAGCGTTCAGCGTTCAACAACAAGCT
TCCAAGATGCCGCCAAAGGAAAAAGTGGTTCTGGAAAAGCGGGAAAGGGGAGCAGCCTCTGGGAGT
GACAGTGCTGACAAGAAGGCTCAAGGTCCCAAAGGTGGTGGCAATGCAGTAAAGGTCAGACACATTCTA
TGTGAAAAACATGGCAAATCATGGAAGCCATGGAAAAGTTAAAGTCTGGGATGAGATTCAATGAAGTG
GCCGCACAGTATAGTGAAGATAAAGCCAGGCAAGGGATCCCAGCCTGCAGCAACATGCTGGTCACCAT
AGAGACCTGAGAAGCACCCCTCATCTCATTGGTATCATATTTACAACCACCCCTTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
```

Restriction Sites: Sgfl-MluI



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**Plasmid Map:**



**ACCN:** NM\_001170747

**Insert Size:** 402 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\\_001170747.1](#)

**RefSeq Size:** 1605 bp

**RefSeq ORF:** 402 bp

**Locus ID:** 5303

**UniProt ID:** [Q9Y237](#)

**Cytogenetics:** Xq13.1

**MW:** 14.2 kDa

**Gene Summary:** This gene encodes a member of the parvulin subfamily of the peptidyl-prolyl cis/trans isomerase protein family. The encoded protein catalyzes the isomerization of peptidylprolyl bonds, and may play a role in the cell cycle, chromatin remodeling, and/or ribosome biogenesis. The encoded protein may play an additional role in the mitochondria. [provided by RefSeq, Dec 2009]

Transcript Variant: This variant (2) differs in the 3' coding region and 3' UTR, compared to variant 1. The resulting isoform (2) has a distinct C-terminus and is shorter than isoform 1.