

## Product datasheet for **SC102738**

### Cyclophilin E (PPIE) (AK093659) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cyclophilin E (PPIE) (AK093659) Human Untagged Clone
Tag:	Tag Free
Symbol:	Cyclophilin E
Synonyms:	CYP-33; CYP33
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for AK093659, the custom clone sequence may differ by one or more nucleotides

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ATGGCAGCCCCAGGGTGTGGGGCAGGTGGGCAGGGCACTAATGAGGGGCCCTCGAGTCCCAGGCCAAGGGC
TCAGACTTCCTCCTGGGGATAATGGGAAGGAGAACCTCATGGCCAGGTTTGTGCCCTTAGTGAGGTCCCC
AAGGGGGAACCTGGAAGGACCACTGTCTTCTTATAGCCCTTCAGACCCCCCAGAGGCTCTGCCTCCCCA
CACCTGGCCTCCCTCCCAGGCTCTGGGAGGCCAGGCCCGCCCCCTCCTGTGCTGCTCCTTCTCC
AGAGGACTGCATCGCCCTCAGCACTTCAAGGCCCTGCATGTGCCGCACCTCTCCACTCCCTGGCTCA
GCTTGGACCTCTTCTGA
```



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for AK093659 unedited            GTAGAATATGTAATACGACTTACTATAGGGCGGCCGCAAATTCGCACGAGGCTTAGGCC            ACCAAAGTGTCCGGCAGAGTGACAGCCACAAACCCAGGGAGGGGCACAGAGGTACCGAG            AAAGGACCAGAAGCCTGACAGGAAGTAGGCACCCGAGAGTGAGGGCCCCTGACACTCCTGC            TTGAGCTGTGACAGCATTTAAGGGTTTTCTGCCTCTGCAGGGCCCGATCCAGATGAGAAG            GGTGGCTGCAGTAGGGCTGGCGGGCTGACTCAGTGGCAGCCGCAGGCCTTGACCACCAT            GTTGCGGTGCTTGCCGAGGATGACGTTGTTGCTGCTGCATAGTAGAGCACAGAGGTGGC            GCTCAGCTTGGTGGGTGCACAGCACGCCTTGGGACTGCGTTTGGCTTCATCAGGTGCAC            CTGGCCAGGAAGGGAGCACAGGCAGGGCATGAGGCCAGTGGCCTCCTCTGAGGACCCAC            CTAGCCCCGCCCCAGCTCCACCTGCTCCCTGCCCTGGCCATCTCCAAGCCACATGGGAGC            AGCACAATAATAAGAATTATTAACAGGAATAAGAGCAGCCCTGAGAGCTCTGGGAGCGGG            AGCTGTGGTGGCCACAGTGCCAGGGAGGGATACATGGCAGCCCCAGGGTGTGGGGCAG            GTGGGCAGGGCACTAATGANGGGCTCGAGTCCCAAGCCAAGGGCTCAGACTTNCNNT            GGGATAATGGGAAGGAGAACCTCATGGCCAGTGTGTGCCCTTAGTGAGGTCCCCAAGGG            GAACCTGGAAGACTGCTTCTATAGCCTTTTCAACCCCCCAGAGCTCTGNCTNCCCAC            ACCTGGCCTNNTNCCAGCTCTGGGAGCCAGNCTCGCCCTCTCTTGCTGNTCTCTCCAN            AGACTGCTNCGCCTCACACTTATAGATCTGCTGTGCCGCACTCTCATTCTGCTCACTGGA            CTTT</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for AK093659 unedited            TTTATGNACCGCGCCGAATCTANNGATCGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT            TTTTTTTTTTTTTTCCGGCATTCAATTTATTTGACAAATGTGCTCATCAGGGCATCCC            CCACCCTGGTACCCCATAGTAGCTGCACACAGTAGGAACCCCAAAAAAACCTTGCCCT            TTTGTCCCTGCAAATGAGTCCACGTTCCACGCGCCGCAAGTTTGCCGTCGGCACGAG            CTTTACGTCAGCTTCCAGGACCTTGCTGGCTGGAATTGCTGACTCTCCTTGTCTTCTGG            GCCGACCACAGGCAGGAAGCTTAGATGGGGGGCTCTCAACCTTTTGGCTTTTTCCC            GCAGTTTCTCTTGGCTGGCTGGGTTTTTCTGGATCCCTGGCTTTTGATGCCTTGGT            GTCTGGGGCAACCTAAAAATCCAGTTCCTGGTATTGCACAGCCTATGTTTTCTCTTAG            GAGTTCAACGGTGATGCCTTGATCAGGCGCAGTGGCTCACCTGTAATCGCAGCACAG            AGCCCAGAAGTTCAAGACAAGCCTGAGCAACACAGCAAAACCTGTCTCTAAAAATAAAAA            TTAAANANANACNCNCNCNCACACACACACAGTGGCAGCACAAATGCCTTGGTGTGA            GAGGAAAGAAATTACCAAAGCTGCTCTGAGCCTATGATAATACTTCTTTCTGGGCAGT            CAAATGGTGTGTTGCTGGACACCTGGAGCCATCTCCTTGGAAAGGCCAGGGGTGATGAGG            ACCCGTGGGGTTGGCCCTGCCCCANCCACCCTTATGCCNGTGTGGTTCTCACAGCTGCA            TGTGTGGGAGGTACATGGGAAGGTGAACTGCCCTGCAGCTCCCGGAACTCATTCTCTCT            GCCCTTCCCTGGCCCTAAGGGCTAACTAGAGGAGTGCTCCAGCCTACAGGGCACAAACAG            GCCTGTGCTAGGGN</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	AK093659
<b>Insert Size:</b>	2700 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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:** [AK093659.1](#), [BAC04213.1](#)

**RefSeq Size:** 2235 bp

**RefSeq ORF:** 2235 bp

**Locus ID:** 10450

**Cytogenetics:** 1p34.2

**Protein Families:** Transcription Factors

**Protein Pathways:** Spliceosome

**Gene Summary:** The protein encoded by this gene is a member of the peptidyl-prolyl cis-trans isomerase (PPIase) family. PPIases catalyze the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and accelerate the folding of proteins. This protein contains a highly conserved cyclophilin (CYP) domain as well as an RNA-binding domain. It was shown to possess PPIase and protein folding activities, and it also exhibits RNA-binding activity. Alternative splicing results in multiple transcript variants. A related pseudogene, which is also located on chromosome 1, has been identified. [provided by RefSeq, Aug 2010]