

Product datasheet for **SC111950**

Cyclophilin E (PPIE) (NM_006112) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyclophilin E (PPIE) (NM_006112) Human Untagged Clone
Tag:	Tag Free
Symbol:	Cyclophilin E
Synonyms:	CYP-33; CYP33
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_006112, the custom clone sequence may differ by one or more nucleotides

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ATGGCCACCACCAAGCGCGTCTTGTACGTGGGTGGACTGGCAGAGGAAGTGGACGACAAAGTTCTTCATG
CTGCGTTCATTCTTTTGGAGACATCACAGATATTAGATTCTCTGGATTATGAAACAGAAAAGCACCG
AGGATTTGCTTTTGTGAATTTGAGTTGGCAGAGGATGCTGCAGCAGCTATCGACAACATGAATGAATCT
GAGCTTTTGGACGTACAATTCGTGTCAATTTGGCCAAACCAATGAGAATTAAGGAAGGCTCTCCAGGC
CAGTTTGGTCAGATGATGACTGGTTGAAGAAGTTTCTGGGAAGACGCTTGAAGAGAATAAAGAGGAAGA
AGGTCAGAGCCTCCCAAAGCAGAGACCCAGGAGGGAGAGCCATTGCTAAAAAGGCCCGCTCAAATCCT
CAGGTGTACATGGACATCAAGATTGGGAACAAGCCGGCTGGCCGCATCCAGATGCTCCTGCGTTCTGATG
TCGTGCCATGACAGCAGAGAATTTCCGCTGCCTGTGCACTCATGAAAAGGGCTTTGGCTTTAAGGGAAG
CAGCTTCCACCGCATCATCCCCAGTTCATGTGCCAGGGCGGTGATTTCAAACCAACAATGGCACTGGG
GGCAAGTCCATCTATGGGAAGAAGTTTCATGATGAAAACTTTATCCTCAAGCATAACGGGACCAGGTCTAC
TATCCATGGCCAACTCTGGCCAAACCAATGGCTCTCAGTTCTTCTGACATGTGACAAGACAGACTG
GCTGGATGGCAAGCATGTGGTGTGGAGAGGTCACCGAAGGCCCTAGATGTCTTGCAGCAATTTGAGGCC
CAGGGCAGCAAGGACGGGAAGCCAAAGCAGAAGGTGATCATCGCCGACTGTGGGGAGTACGTGTGA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006112 unedited
 GGATTTTGTAAATACGACTCACTATAGGGGCGGCCGCAATTCGCACGAGGGCCACCACCA
 AGCGCGTCTTGTGGACTGGCAGAGGAAGTGGACGACAAAGTTCTTCATGCTGCGTTCATT
 CCTTTTGGAGACATCACAGATATTCAGATTCTCTGGATTATGAAACAGAAAAGCACCGA
 GGATTTGCTTTTGTGAATTTGAGTTGGCAGAGGATGCTGCAGCAGCTATCGACAACATG
 GTATGGCTGGGAATCTTAATTTCTAACTAAAGTTGCTTTTTGGTGGTACAGAGGCTCCTTA
 TTCATATATCAGTGTCTGGACTTCCAAAGTTACAAGTTGCATGGGGAGGTAAAAATTC
 TCACATGAAAATATTCAGTGTGAATTGATCACTTATAAAATTAGTTCTTACTCAGACTCC
 TTCGCCATTTTCAATAATGTAAGTCCTCATCATCCTTGTGACCACTCTCTCACTGGCT
 CTCCCATGTTTAGGATAATTTGCAGACACAGTGCAAATGATTGCACGGTGAATGTCAT
 ATTTTGCAAAATAGCAGGATTTTCATGAAGTGTAGACCAATTTACAATTGAGAAGAGAAA
 TTTAANTTATGGCAGGTGCAAATCACTGATACAAATGATTTGGATATTCTGGNAAAGGTC
 CTTGGGAAAAATGATGATGCTCTTATGATTTGTGCCTCCTTGAGACCTTTTAGTTNTC
 ATGTCTGANAAGAAGGCANAATACCATACTGTTGATAGAAATTTTGGTGGAAAATATACT
 TCAGGGCCGNNACTTNNCTTCTNCTNNTNNTNNTNNTNNTNNTTACAATCTGACT
 NCAGAGTNCAGATTCTCACTTCTCAA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_006112 unedited
 GTACCGCGGGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
 TAAAAACTAGGGTTTATTTTAGCAAAAAAACACGTAAGAGCCCACTGGTAGTCCCAG
 GAGAGGCCAGCAGCAAATGCTGAAAAAGCCGGGGGCTTTTGCACAGCCTGCCCATGG
 GGGAGGGGAGCACCTGAGCTGGCTCCTGGGCCACAGCTGTGCCTGGGAATAGTCCAGGC
 TGTGCCTGCAAAGGAGCTGCTCCAAGCAGACCCTGAGGAAGGGCACATATCCCAAATGCT
 GCTTGCTCAAACAGGCACCCTCGGTGCTGCCTCCTCTGAGGCTGGCAGTTCCTTCTGG
 ATATGCAAGGTCAAGAGCGGAGGGGAAGCAAAAAGAGTGCCGCCTCACACGTACTCCCC
 ACAGTCGGCGATGATCACCTTCTGCTTTGGCTTCCCGTCTTGCTGCCCTGGGCCTCAAT
 TTGCCGCAAGACATCTAGGCCTTCGGTGACCTCTCAAACACCACATGCTTGCCATCCAG
 CCAGTCTGTCTTGTACATGTCAGGAAGAACTGAGAGCCATTGGTGTGGGCCAGAGTT
 GGCCATGGATAGTAGACCTGGTCCCGTATGCTTGAGGATAAAGTTTTTCATCATCGAATT
 CTTCCCATAGATGGACTTGCCCCAGTGCATTGTGGTTTGTGAAATCACCGCCCTGGC
 ACATGAACTGGGGATGATGCGGTGGAAGCTGCTCCCTTAAGCCAAGCCTTTTCATGA
 TGCCAGGCAGCGAAATCTCTGCTGTCATGGGCCGACATCAGACGCAGGAGCATCTGGA
 TCGCNCGCCGGCTTGTCCAATCTGATGCCATGTACACTGAGGATTGAGCGGCCTTTTGA
 GCATGGCTCTCTNCTGGGTCTGCTTTGG

Restriction Sites:

NotI-NotI

ACCN:

NM_006112

Insert Size:

2640 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_006112.2](#), [NP_006103.1](#)

RefSeq Size: 1307 bp

RefSeq ORF: 906 bp

Locus ID: 10450

UniProt ID: [Q9UNP9](#)

Cytogenetics: 1p34.2

Domains: RRM, pro_isomerase

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]
Transcript Variant: This variant (1) represents the longest transcript and encodes isoform 1.
Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.