

Product datasheet for SC308190

Cyclophilin E (PPIE) (NM_203456) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Cyclophilin E (PPIE) (NM_203456) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | PPIE |
| Synonyms: | CYP-33; CYP33 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >SC308190 representing NM_203456. Blue=Insert sequence Red=Cloning site Green=Tag(s) |

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGCCACCACCAAGCGCGTCTTGTACGTGGGTGGACTGGCAGAGGAAGTGGACGACAAAGTTCTTCAT
GCTGCGTTCATTCTTTTGGAGACATCACAGATATTCAGATTCTCTGGATTATGAAACAGAAAAGCAC
CGAGGATTTGCTTTTGTGAATTTGAGTTGGCAGAGGATGCTGCAGCAGCTATCGACAACATGAATGAA
TCTGAGCTTTTGGACGTACAATTCGTGTCAATTTGCCAAACCAATGAGAATTAAGGAAGGCTCTTCC
AGGCCAGTTTGGTCAGATGATGACTGGTTGAAGAAGTTTTCTGGGAAGACGCTTGAAGAGAATAAAGAG
GAAGAAGGTCAGAGCCTCCCAAAGCAGAGACCCAGGAGGAGAGCCATTGCTAAAAAGGCCCGCTCA
AATCCTCAGGTGTACATGGACATCAAGATTGGGAACAAGCCGGCTGGCCGCATCCAGATGCTCCTGCGT
TCTGATGTCGTGCCCATGACAGCAGAGAATTTCCGCTGCCTGTGCACTCATGAAAAGGGCTTTGGCTTT
AAGGGAAGCAGCTTCCACCGCATCATCCCCAGTTCATGTGCCAGGGCGGTGATTTACAAAACCAAT
GGCACTGGGGCAAGTCCATCTATGGGAAGAAGTTCGATGATAAACTTTATCCTCAAGCATACGGGA
CCAGGTCTACTATCCATGGCCAACCTGGCCCAAACCAATGGCTCTCAGTTCTTCTGACATGTGAC
AAGACAGACTGGCTGGATGGCAAGCATGTGGTGTGGAGAGGTCACCGAAGGCCTAGATGTCTTGGCG
CAAATTTGAGAAAACAAGAAGAGTCAGCAATTACCAGCCAGCCGAGGTCCTGGAAGCTGACGTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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| Restriction Sites: | Sgfl-MluI |
| Plasmid Map: | <input type="checkbox"/> |
| ACCN: | NM_203456 |
| Insert Size: | 891 bp |



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| 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: | <ol style="list-style-type: none"> 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: | <u>NM_203456.2</u> |
| RefSeq Size: | 1136 bp |
| RefSeq ORF: | 891 bp |
| Locus ID: | 10450 |
| UniProt ID: | <u>Q9UNP9</u> |
| Cytogenetics: | 1p34.2 |
| Protein Families: | Transcription Factors |
| Protein Pathways: | Spliceosome |
| MW: | 33.1 kDa |
| Gene Summary: | <p>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]</p> <p>Transcript Variant: This variant (2) uses an alternate 3' exon and thereby differs in the 3' coding region and 3' UTR, compared to variant 1. The resulting isoform (2) has a distinct and shorter C-terminus, compared to isoform 1.</p> |