

Product datasheet for **SC116591**

Cyclophilin F (PPIF) (NM_005729) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyclophilin F (PPIF) (NM_005729) Human Untagged Clone
Tag:	Tag Free
Symbol:	Cyclophilin F
Synonyms:	Cyp-D; CyP-M; CYP3; CypD
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_005729 edited
 CGCGACGTCAGTTTGAGTTCTGTGTTCTCCCGCCCGTGTCCCGCCGACCCGCGCCCGC
 GATGCTGGCGCTGCGCTGCGGCTCCCGCTGGCTCGGCCTGCTCTCCGTCGCCGCTCCGT
 GCCGCTGCGCCTCCCGCGGCCCGCCTGCAGCAAGGGCTCCGGCGACCCGTCCTCTTC
 CTCCTCTCCGGGAACCCGCTCGTGTACCTGGACGTGGACGCCAACGGGAAGCCGCTCGG
 CCGCGTGGTGTGAGACTGAAGGCAGATGTCGTCCAAAGACAGCTGAGAACTTCAGAGC
 CCTGTGCACTGGTGAGAAGGGCTTCGGCTACAAAGGCTCCACCTTCCACAGGGTGATCCC
 TTCCTTTCATGTGCCAGGCGGGCGACTTCACCAACCACAATGGCACAGGCGGGAAGTCCAT
 CTACGGAAGCCGCTTTCCTGACGAGAATTTACTGAAGCACGTGGGGCCAGGTGTCCT
 GTCATGGCTAATGCTGGTCTAACACCAACGGCTCCCAGTTCTTCATCTGCACCATAAA
 GACAGACTGGTTGGATGGCAAGCATGTTGTGTTGCGTACGTCAAAGAGGGCATGGACGT
 CGTGAAGAAAATAGAATCTTTCGGCTCTAAGAGTGGGAGGACATCCAAGAAGATTGTCAT
 CACAGACTGTGGCCAGTTGAGCTAATCTGTGGCCAGGGTGTGGCATGGTGGCAGCTGCA
 AATGTCCATGCACCCAGGTGGCCGCTTGGGCTGTGAGCAAGGTGCCTGAAACGATACG
 TGTGCCACTCCACTGTCACAGTGTGCCTGAGGAAGGCTGCTAGGGATGTTAGACCTCGG
 CCAGGACCCACCACATTGCTTCCCTAATACCCACCCTTCTCAGCCTCAATTTCTGGGCA
 TCTTTGTGGACATGATGTACCCACCCCTTGTCAAGCATTGCCTGTGATTGCCAGCCCA
 GATTTCATCTGTGCCTTGGACATGGTGTGGTGTGGGTTGCCATCCAAGTGAAAGTCTTT
 TCCTTGACCAAGGGGGACAGTCAGTTTTTGCAAAAGGACTCTAATACCTGTTAATATTGT
 CTTCTAATTGGGATAATTTAATTAACAAGATTGACTAGAAGTGAAGTGAACACTAAC
 TTCCCATGCTGTGGTGTGACCTGAGTTGGTGACACAGGCCACAGACCCAGAGCTTGGC
 TTTTGAACACAACACTCAGGGCTTTTGTGAAGGTTCCCGCTGAGATCTTCTCCTGCTGT
 TACTGTGAAGCCTGTTGGTTTGTGCTGCTGCTTTTTGAGGAGGGCCCATGGGGGTAGGAG
 CAGTTGAACCTGGGAACAACCTCACTTGAAGTGTGCCTAGACAATGTGAATTCCTGTGT
 TGCTAACAGAAGTGGCCTGTAAGCTCCTGTGCTCCGGAGGGAAGCATTTCCTGGTAGGCT
 TTGATTTTTCTGTGTGTTAAAGAAATCAATCTACTCATGATGTTATGCATAAAACAT
 TTCTGGAACATGGATTTGTGTTACCTTAAATGTGAAAATAAATCCTATTTTCTATGGAA
 AAAAAAAAAA

Restriction Sites: NotI-NotI

ACCN: NM_005729

Insert Size: 1600 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_005729.3](#), [NP_005720.1](#)

RefSeq Size: 2213 bp

RefSeq ORF: 624 bp

Locus ID: 10105

UniProt ID: [P30405](#)

Cytogenetics: 10q22.3

Domains: pro_isomerase

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 is part of the mitochondrial permeability transition pore in the inner mitochondrial membrane. Activation of this pore is thought to be involved in the induction of apoptotic and necrotic cell death. [provided by RefSeq, Jul 2008]