

Product datasheet for **SC336081**

Coiled coil domain containing protein 111 (PRIMPOL) (NM_001300767) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Coiled coil domain containing protein 111 (PRIMPOL) (NM_001300767) Human Untagged Clone
Tag:	Tag Free
Symbol:	Coiled coil domain containing protein 111
Synonyms:	CCDC111; MYP22; Primpol1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC336081 representing NM_001300767.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGTTGCATTACTCATTGAGTATGTGTAAAGCACTCAAGAGTTATACGGTGTAAATGCTCAGCT
GAAGATGTTTTGAACTTGATTCTAGCACTGATGAAAAATTCAGCCGGCATTAAATATTTTCAGCTCCAT
GATGTGGCATTAAAGATAATATTCATGTTGGTAATTTTTGAGAAAAATTTGCAGCCTGCTCTTGAC
TTGCTTGGCAGTGAAGATGATGATAGCGCTCCAGAGACAACAGGCCATGGATTTCCCATTTTTTCAGAA
GCACCTGCAAGACAAGGATTTTCTTTCAATAAAAATGTTACAGAAAAGGCTACAGAGGAAAAGCTGGACA
TCGAATTCAAAGAACTGGAGAGGCTGGGGTCAGCTGAGCAAAGCAGTCTGACCTTTTCATTTCTAGTT
GTGAAGAATAACATGGGAGAGAAGCATCTTTTGTAGATCTCGGAGTTTATACAAGAAATAGAACTTT
CGGCTATATAAATCATCAAAAATGGAAAGCGTGTGGCTTTGGAGTTACTGAAGATAACAAATTTTTT
CCTATACAGTCAAAGATGTTTCTGACGAATATCAATATTTTCTCTCTTTGGTCAGCAATGTCAGG
TTCTCAGATACTTACGAATTTACATGTGAGCCATCTCAGAATAAACAAAAAGGAGTTGGATATTTT
AACAGTATCGGCACTTTCAGTAGAAACCATTGAAGTTTTTCAGTGTCTCCCTATCCTGAAGTTGATCAT
TTTGTCTTTCTTTGGTGAATAAAGATGGCATTAAAGGAGGAATTCGGCGTTGGAACACTTTTTCCCA
GAAGAATTACTGGTTTATGATATTTGAAAATATCGGTGGTGTGAAAACATTGGAAGAGCCATAAGAGT
AATAATATAATGATTCTGGTTGATCTGAAAAATGAAGTTTGGTATCAAAAATGTCATGACCCTGTATGT
AAAGCAGAAAACCTCAAATCTGACTGTTTCCCATACCTGCTGAAGTATGTCTCCTGTTTCTTTTCAA
GAGGAAGAAGAGTTTACAACAGATGAAGCAGATGAAACTAGGAGCAATGAAACCCAGAATCCTCATAAA
CCATCACCTAGCAGGCTGTCAACAGGTGCATCTGCTGATGCTGTCTGGGATAATGGCATTGATGATGCT
TATTTTTAGAAGCTACTGAAGATGCTGAATTAGCTGAAGCTGCAGAGAACAGTCTTCTCAGTTATAAC
AGTGAAGTGGATGAAATTCCTGATGAACATAATTAGAAAGTATTACAAGATAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
  
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Restriction Sites: Sgfl-Mlul

ACCN: NM_001300767

Insert Size: 1296 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_001300767.1](#)

RefSeq Size: 2072 bp

RefSeq ORF: 1296 bp

Locus ID: 201973

UniProt ID: [Q96LW4](#)

Cytogenetics: 4q35.1

MW: 49 kDa

Gene Summary: This gene encodes a DNA primase-polymerase that belongs to a superfamily of archaeo-eukaryotic primases. Members of this family have primase activity, catalyzing the synthesis of short RNA primers that serve as starting points for DNA synthesis, as well as DNA polymerase activity. The encoded protein facilitates DNA damage tolerance by mediating uninterrupted fork progression after UV irradiation and reinitiating DNA synthesis. An allelic variant in this gene is associated with myopia 22. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2016]