

Product datasheet for **SC101702**

ZNF313 (RNF114) (AK097265) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF313 (RNF114) (AK097265) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF313
Synonyms:	PSORS12; ZNF313
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for AK097265, the custom clone sequence may differ by one or more nucleotides

```
TGTTGGCCAGGATGGTCTCGATCTCCTGACCTCGTGACCCGCCCGCTCAGCCTCCCAAAGTCTGGGAT
TATAGGCGTGAGCCATTGCACCCGGTCTTTCATCTTTATTTATGCATGCATAATGTGGTTTTGGTTTT
GTTTTGTTTTTTTTCTGAGACAGGGTCTGGCTTTGTTGCCCGGGCTGGAGTGCAGTTGCGTGGTCTCGGC
TCGCTGAAACCTCTGCCTCCCGGGCTCAAACCATCCTCCACCTCAGCCTCTCAAGTAGCTGGGACTACA
GGCATGTGTCAACCACGCCTGCCTAATTTTTTTGATTTTCAGTAGAGACGAGTTTTGCATGTTGCCCATG
CTGATCTCGAACTCGGGAGCGTGAAGTGTGGCCACCTCAGCCTCCCTCAGGATTACAGGTGTGAGCCA
CCGTACTCCGCCATGATGGGCTTTTTGTTGTTTACTGTATGCTTTTGCTTTTCTCCATTTTCAAGAT
TAGTGATTGACTGTTGGCATGCCTCAGAAAATGTTTTCTTTCCTTTATCTTCCCTTTTTCTTCAATT
CTTAAACTTTCTTTCTTTTGTAGAAAACCTGTAATGAAGCACTATTCTCTGGTTTTCTTCTTTCTGT
TTTACTGTTGCACAGCCTAGATTTTATATGAAAGGCTGGGCCGGGCTGGTGGCTCACGCCTGTAGGCC
GGCACTTTGGCAGGCTGAGGCGGGCGGATCACTTGAGGTCAGGAGTTCGAGACCAGCCTGGCTAGCGTGG
TGGAACTCCGTCTCTACTGAAAATATGAAAATTAGCTGGGCCGATGGCACACACCTGTGGTCCCAGCTA
CTCAGGAGGCTGAGGTGGGAGAATCACTTGGGCCGGGAGGCGGAGGTTGCAGTGAGCCGAGATGGTGCC
ACTGCACTTCACTCTGGGCGACAGAGTGAAGTGTGACTCTGTCTCAAAAAAAAAAAAAAAAAAGAGAATTTAGA
TTTTAAAGATTATTTCTCAGAGGCTGGTATAGATACTTTAACAGGGTTAGTGGCTTTTATATGTTTTA
CCTAAAGGATCACTTTTCTCTGCTGCACATAACAGAATGTGGTTTTGGCTTGTGTAAGGAGACTAGTT
TAAATGCTAGTAGAAAACTTTTAAAAACATCCTAGATTTGGAGCTTGTCTGTGAGCAGACAGCCTATC
ATGAATAGGAGCAAACCTCTAGGAGAGTTATTTTAGAGTGAAGTGGATATCCTGATTTAGTGAATAAA
ATAGCACCTTGGTATTAATGGGAAATCTGCAATAATCAGGGTTTCAGCCCCATCAGCGTAGTCAGGAGT
TTGGTGAGATTATTTGCCAGGGTGTAGGTCTAGTTTTCTTTGTCCTTGTGGACTATATTTTG
CCTGTTGCAAGGTCTCTACTAACTTGTGGGCTCTGATTCTTCTATTTGAGTTCTTCTGTCCAAGATCC
GGTCCCACGTGGCTACTTGTCCAAATACCAGAATTACATCATGGAAGGTGTGAAGGCCACCATTAAGGA
TGCATCTCTTTCAGCAAGGAATGTTCCAAACCGTTACACCTTTCTTGTCTTACTGTCTGAGAAGAAC
TTTGATCAGGAAGGACTTGTGGAACACTGCAAATTATTCCATAGCACGGATACCAAATCTGTGGTTTGTG
CGATATGTGCTCGATGCCCTGGGAGACCCCACTACCGCAGCGCAACTTCAGAGAGCACATCCAGCG
CCGGCACCGGTTTTCTTATGACACTTTTGTGGATTATGATGTTGATGAAGAGGACATGATGAATCAGGTG
TTGCAGCGCTCCATCATCGACCAGTGAAGAGGAGTCCGTGCTTTCTATCTGTCTCATGTTACAGAGCTTCC
ATTACATATTAACGTGAAATCTATG
```

5' Read Nucleotide Sequence:

>OriGene 5' read for AK097265 unedited

```
GGGGGTTACATTTGTATACGACTCACTATAGGCGGCCGCGAAAATTCGCACGAGGGATAC
TTTAAACCGGGTTAGTGGCTTTTATATGTTTTACCTAAAGGATCACTTTTCTCTGCTGCAC
ATAACAGAATGTGGTTTTTGGCTTGTCTGTAAGGAGACTAGTTTAAATGCTAGTATAGAAA
ACTTTTAAAAACATCCTAGATTTGGAGCTTGTCTGTGAGCAGACAGCCTATCATGAATAG
GAGCAAACCTCTAGGAGAGTTATTTTAGAGTGAAGTGGATATCCTGATTTAGTGAATA
AAATAGCAGCCTTGGTATTAATGGGAAATCTGCAATAATCAGGGTTTCAGCCCCATCAGC
GTAGTCAGGAGTTTGGTGAAGTATTTGCCAGGGTGGTGTAGGTCTAGTTTTCTTTGTGTC
CCTTGTGTTGGGACTATATTTGCCTGTTGCAAGGTCTCTACTAACTTGTGGGCTCTGATT
CTTCTATTTGAGTTCTTCTGTCCAAGATCCGGTCCCACGTGGCTACTTGTCCAAATA
CCAGAATTACATCATGGAAGGTGTGAAGGCCACCATTAAGGATGCATCTTTCAGCCAAG
GAATGTTCCAAACCGTTACACCTTTCTTGTCTTACTGTCTGAGAAGAACTTTGATCA
NGAAGGACTTGTGGAACACTGCANATTATTCCATAGCACGGATACCAAATCTGTGGTTTTG
TCCGATATGTGCTCGATGCCCTGGGAGACCCCACTACCGCAGCGCAACTTCAGAGA
GCACATTCAGCGCCGGCACCGGTTTTCTTATGACACTTTTGTGGATTTATGATGTGATGA
AGAAGACATGATGAATCANGTGTGACGCGTTTCATCATCGACCATTGAGCAGAGTCCGT
GCTTGCTATCTGT
```

Restriction Sites:	NotI-NotI
ACCN:	AK097265
Insert Size:	2600 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:	<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>AK097265.1</u>
RefSeq Size:	1916 bp
RefSeq ORF:	1916 bp
Locus ID:	55905
Cytogenetics:	20q13.13
Gene Summary:	E3 ubiquitin-protein ligase promoting the ubiquitination and degradation of the CDK inhibitor CDKN1A and probably also CDKN1B and CDKN1C. These activities stimulate cell cycle's G1-to-S phase transition and suppress cellular senescence. May play a role in spermatogenesis. [UniProtKB/Swiss-Prot Function]