

Product datasheet for **SC113359**

ZNF313 (RNF114) (NM_018683) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF313 (RNF114) (NM_018683) 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)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_018683 edited ATGGCGGGCAACAGCGGGACTGCGGGGGTCTGCGCAGCTGGCGGGCCGGCGGGAG GCTGACCCCTAGGACGCTTACAGTGTCCCGTGTGCTTAGAGGTGTACGAGAAGCCGGTA CAGGTGCCCTGCGGACAGTCTTTTCTGCTGCATGCCTGCAGGAATGTCTGAAGCCGAAG AAGCCTGTCTGTGGGTGTGTCGACGCTCTGGCACCTGGCGTCCGAGCCGTGGAGCTC GAGCGGCAGATCGAGAGCACAGAGACTTCTTGCCATGGCTGCCGTAAGAATTTCTTCTG TCCAAGATCCGGTCCCACGTGGCTACTTGTCCAAATACCAGAATTACATCATGGAAGGT GTGAAGGCCACCATTAAGGATGCATCTTTCAGCCAAGGAATGTTCCAAACCGTTACACC TTTCTTGTCTTACTGTCTGAGAAGAACTTTGATCAGGAAGGACTTGTGGAACACTGC AAATTATTCATAGCACGGATACCAAATCTGTGGTTTGTCCGATATGTGCCTCGATGCC TGGGGAGACCCCAACTACCGCAGCGCAACTTCAGAGAGCACATCCAGCGCCGGCACCGG TTTTCTTATGACACTTTTGTGGATTATGATGTTGATGAAGAGGACATGATGAATCAGGTG TTGCAGCGCTCCATCATCGACCAGTGA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_018683 unedited NGTCAAAATTTGTATACGACTCCTATAGGGCGGCCGCGATTTCGGCACGAGGCAGCAAGAT GGCGGCGCAACAGCGGGACTGCGGGGGTGTGCGCAGCTGGCGGGGCCGGCGCGGAGGC TGACCCCTAGGACGCTTACGTGTCCCGTGTGCTTAGAGGTGTACGAGAAGCCGGTACA GGTGCCCTGCGGACACGTCTTTTGTCTGCATGCCTGCAGGAATGTCTGAAGCCGAAGAA GCCTGTCTGTGGGTGTGTGCGACGCGCTTGGCACCTGGCGTCCGAGCCGTGGAGCTCGA GCGGCAGATCGAGAGCACAGAGACTTCTTGCATGGCTGCCGTAAGAATTTCTTCTGTCT CAAGATCCGGTCCCACGTGGCTACTTGTCCAAATACCAGAATTACATCATGGAAGGTGT GAAGGCCACCATTAAGGATGCATCTCTTCCAGCCAAAGGAATGTTCCAAACCGTTACACCTT TCCTTGTCTTACTGTCTGAGAAGAACTTTGATCAGGAAGGACTTGTGGAACACTGCAA ATTATTCCATAGCACGGATACCAAATCTGTGGTTTGTCCGATATGTGCCTCGATGCCCTG NNGAGACCCCACTACCGCAGCGCCAACCTCAGAGAGCACATCCAGCGCCGGCACCAGGTT TTCTTATGACACTTTTGTGGATTATGATGTTGATGAAGAGGACATGATGAATCANGTGT GCAGCGCTCCATCATCGACCAGTGAGCAGAGTCCGTGCTTGTCTGTCTCATGTTACA GAGCTTNCATTACATATTAACGTGAAATCTATGACTCCTGTACTTNACCTGNTCAACAG ACCTGAAAATGAGCCATGGCATTGGGACAGGGTCACTTCTGACAGGGNAAANTGGGTCCC CAGGTCAGCCCTTCTCTCTTTTGGCTCTTGCAAAGCTGNCTTC
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_018683 unedited GCGGCACGCAATCTAGAATCGAGTTTTTTTTTTTTTTTTTTTTTAAGTTATGAAATTTATTTA TATTTTACCTTTTAAAAGCCAGAACATAACAAATCTCACTTTCTGGAAAGTCATCTTATT AGAAATACAAGAAGTGCACCTTAATACAAGGAAGTAAGTTTCTCGTGCCACCAGTGAGGT GGACATACACTCACATCAGTCCCTCAAACGAAGTTTCGCCAGATTTCCCTCCAGACTTC TGAGATGATCTGAATTCAGGAAGTCTGAGTGAACCTTCCAGAAATTACAGTGAACAA GCTGACCTTAACCTTTGGGTCTCCCGAGAAATACTAATGAAAAAACTATTTTTTTCCAG TGGGCCCTGTGTTTGTGGCTTCTCGGCATCTGCAGCTTTCACCGGCAGGCGCGGAGCC CCACAGCAGCAGTGTACAAGCGCGAGGTAGCACTTGCAGCCCCATCAGAGACATATGACA TCAAAAAACCAACCTAAACCCATATGCCTTTTGGTCAATCAGAGGTTCTGCTCCTACAGA TTAGGCTGACAGCTCTTGGACTTATATTTAATATTTGTGAAATATGAACTCCAAGGT TCTTGAGCTGTTCTTAAGCAAGTTTCCAGCAACAGCTTTTATTAACAACTGTTTCTT GCGATGTGCTGTGCCTTATGAACGATGTCTCGTCAGAACAGACAGGGGTGTTACTGGGTT TCCTATAGCTTCTCTGTCATCTACAAAGCAGGTTTTTCAACACATTNTACATGTCGAAA CCAAGTGTACATAAGGAAAACATTTGTGACAGAAAACAATGCTCAGTCTAATCTAAGTTACC AAGCAGAAAGGTAAGAACTAGTATCCGCTGAGTCCCCCAACTCTTNCNCTAATNATCT GAGGGATTTTNGCTCTAGAACAGAAATGTAGCAGCTCCCAATNAGAGGTAACATGACGCG TGNTTGAACACTCTTAATTGAN
Restriction Sites:	NotI-NotI
ACCN:	NM_018683
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).
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:	NM_018683.3 , NP_061153.1
RefSeq Size:	2478 bp
RefSeq ORF:	687 bp
Locus ID:	55905
UniProt ID:	Q9Y508
Cytogenetics:	20q13.13
Domains:	RING, zf-C2H2
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]