

Product datasheet for **RG209752**

ZNF313 (RNF114) (NM_018683) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF313 (RNF114) (NM_018683) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RNF114
Synonyms:	PSORS12; ZNF313
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG209752 representing NM_018683 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCGCAACAGCGGGACTGCGGGGTGCTGCGCAGCTGGCGGGCCGGCGGGAGGCTGACCC
TAGGACGCTTACGTGTCCCGTGTGCTTAGAGGTGTACGAGAAGCCGGTACAGGTGCCCTGCGGACACGT
CTTTTGTCTGCATGCCTGCAGGAATGTCTGAAGCCGAAGAAGCCTGTCTGTGGGTGTGTCGACGCGCT
CTGGCACCTGGCGTCCGAGCCGTGGAGCTCGAGCGGCAGATCGAGAGCACAGAGACTTCTTGCCATGGCT
GCCGTAAGAATTTCTTCTGTCCAAGATCCGGTCCCACGTGGCTACTTGTCCAATACCAGAATTACAT
CATGGAAGGTGTGAAGGCCACCATTAAAGGATGCATCTCTTCAGCCAAGGAATGTTCCAAACCGTTACACC
TTTCTTGTCTTACTGTCTGAGAAGAACTTTGATCAGGAAGGACTTGTGGAACACTGCAAATTATTCC
ATAGCACGGATACCAAATCTGTGGTTTGTCCGATATGTGCTCGATGCCCTGGGGAGACCCCAACTACCG
CAGCGCAACTTCAGAGAGCACATCCAGCGCCGGCACCAGTCTTATGACACTTTTGTGGATTATGAT
GTTGATGAAGAGGACATGATGAATCAGGTGTTGCAGCGCTCCATCATCGACCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG209752 representing NM_018683
 Red=Cloning site Green=Tags(s)

MAAQQRDCGGAAQLAGPAAEADPLGRFTCPVCLEVYEKPVQVPCGHVFCSAQLQECLKPKKPVCGVCRSA
 LAPGVRAVELERQIESTETSCHGCRKNFFLSKIRSHVATCSKYQNYIMEGVKATIKDASLQPRNPNRYT
 FPCPYCPEKNFDQEGLVEHCKLFHSTDTKSVVCPICASMPWGDPNYRSANFREHIQRHRHF SYDTFVDYD
 VDEEDMMNQVLQRSIIDQ

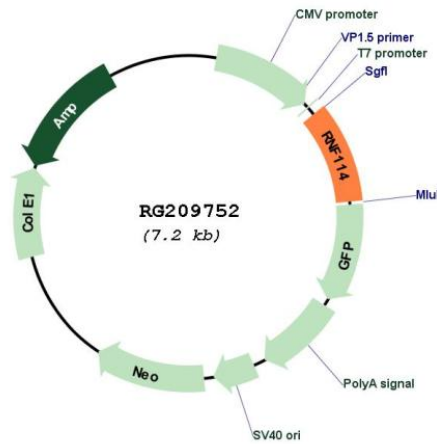
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_018683

ORF Size: 684 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_018683.4
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]