

Product datasheet for **SC328182**

RNF4 (NM_001185010) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF4 (NM_001185010) Human Untagged Clone
Tag:	Tag Free
Symbol:	RNF4
Synonyms:	RES4-26; SLX5; SNURF
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	<p>>NCBI ORF sequence for NM_001185010, the custom clone sequence may differ by one or more nucleotides</p> <pre> ATGAGTACAAGAAAGCGTCGTGGTGGAGCAATAAATTCTAGACAAGCTCAGAAGCGAACT CGGGAAGCAACCTCCACCCCGAGATCTCCTTGGGAAGCAGAACCCATAGAACTCGTGGA ACTGCTGGAGATGAAATTGTGGACCTCACTTGTGAATCTTAGAGCCTGTGGTGGTTGAT CTGACTCACAATGACTCTGTTGTGATTGTTGACGGCCCTCAGGTACTGTCAGTTGTCCCA TCTGCATGGACGGATACTCAGAGATCGTGCAGAATGGACGTCTCATCGTTTCCACAGAAT GCGGCCATGTCTTCTGTAGCCAGTGCCTCCGTGATTCCCTGA </pre>
Restriction Sites:	Please inquire
ACCN:	NM_001185010
Insert Size:	2811 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).


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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_001185010.1](#), [NP_001171939.1](#)

RefSeq Size: 2811 bp

RefSeq ORF: 2811 bp

Locus ID: 6047

UniProt ID: [P78317](#)

Cytogenetics: 4p16.3

Protein Families: Transcription Factors

Gene Summary: The protein encoded by this gene contains a RING finger motif and acts as a transcription regulator. This protein has been shown to interact with, and inhibit the activity of, TRPS1, a transcription suppressor of GATA-mediated transcription. Transcription repressor ZNF278/PATZ is found to interact with this protein, and thus reduce the enhancement of androgen receptor-dependent transcription mediated by this protein. Studies of the mouse and rat counterparts suggested a role of this protein in spermatogenesis. A pseudogene of this gene is found on chromosome 1.[provided by RefSeq, Jul 2010]
 Transcript Variant: This variant (3) differs in the 5' UTR and lacks an alternate exon in the 3' coding region which results in a frameshift, compared to variant 1. The resulting protein (isoform 2) has a distinct C-terminus and is shorter than isoform 1.