

Product datasheet for **SC329118**

RADX (NM_001184782) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RADX (NM_001184782) Human Untagged Clone
Tag:	Tag Free
Symbol:	RADX
Synonyms:	CXorf57
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001184782, the custom clone sequence may differ by one or more nucleotides

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ATGTCTGGTGAGTCAGGACAGCCTGAGGCTGGTCCCTCATATGCAGGGCTAGATTGGCCG
AACCTGAGAGGAATCGGGCTGGGGTCCCGGAGGGGTGATCCGAAGAGCTGGTCCCAA
GGGCCCAGGTCTGGATCCAAAAGGTTCTTGAGCAGATTATGGACTCACCTCGCCAGTGT
GTCACCCCTCGGAGGTGGTGCCTGTAAGTGTGCTGGCCGTCCAGAGGTACCTGTTAGAG
GATGAGCCACGCGACACGGTGCCCAAGCCTCCCCTTTATTGCTATGATGTGACGATCTCA
GATGGGGTGTACCAGGAGAAGTGCTACCTGGACCCAGCTTGAACCTCTCTCGTATATCAA
AATATTCTTAAAGTTGGCATTCAAATGAGAATTTCCAGGGTCTCATGTCTTTACAATGAG
AAAAGGATAGGCCAGGGATCCTGTGCATAGATAACGTCCACTGTGGGAGACTTCAGAC
AGTATTTCTTTAGAACTCCCTTCAGAAATAGAGCGCACCAGGAGAAACCAGAGAGGCCCT
TTAAGAGCGGGAAGAGTCATTACCTGGCGCTGTGGAATAACGAAGATCCCTATGGAGAT
ATCTGGTTAACAGACAAGCAACCTGAGGAACACAACCTTTAGCGATACCAAAATAATTTCC
CTTTCTCATCTTGAAATGACCTGGACTAACAGAAGAAATTTTCTGCATTGCTTGTGAGG
ATCTTACATAAACTCAAACTGCGATACTATGGAACCTGATAAAAGATGATTGAACCA
TATCAGACCTTTTTGGAAGTTGCTGACAGTTACAGGCACAGTGTCAGTGATTATGTGAAT
GCCCTGTGTCCTGAGTGGTATAAAAGTTTGCGGGTTGGTTAGTTCTTCTGCTTCAAGAC
TATTCTGTTAAAAAGAGTTATCCATTGAGAATACAGCCTGTCCCGTGGATCCACAGATC
AACTAATTTCTACAATGGAAATCTGCCTGAATCTTCGAGATCCCCAACAAATATAATT
ATCATTCCAGAAAAGCAGGTGAAACCAGAATGGAGACTGCCAAAGCTAAATCACCGATTT
ACCACAAGGTGAGAACTGGATGATATGCCAGAAAATTGCATCTGTGATGTTATTGGCCTT
TTAGTTTTTGTAGGAAGGTCAGCGGTCAAAAAGAAAGAAAACCGTGAAGATTTTGG
TCATATCGCTGGATTACATTGCTGACGGTACTTCAGAACCAACATTTATAGTGGAACTG
TTTTCAACATCGCAGCCAGAAATCTTTGAAAATATTTACCAATGGCATATTTTGTGTGT
ACACAGTTGAAAGTTGTGAGAAATGACAATCAAGTACCTAAGCTGCTTTACCTCACCCT
ACAAATGAGAGTGGAGTGTATTACTGGTCATAGAGGCCAGCCGTATACGTATGATGCC
AAGATGCTAACAGACCCTCGACCTCTCAAGCAGCTAGAGTAGAAATTCAGAAAGAAAT
GGTAAACGGCATCAAGATGATGAGCCTGTGAATTTCTCAGTATTTCCAACTACATCTACA
AATTTAAGTCTGAGCAATAAAATAAGAATCTTCAAGGCCACACGCTAATCCAGTTGCT
GTACCTCAACCAGGAGCTTCTGTACAAACAAGGGAATTAACCGGGCATGCCAAGCATC
TTCAACCGTCGAGCAATATAAATGCTAATCTGCAAGGGAAGCCAGAAAACTATAAGT
GATAGGTGGGAGAGTCAGCTGTGGAGAGAGAAAAAGTTTGGCTTAATAGATCACCTACAC
TACAGCCGTGTTTATCCTGAAAGTATTCACGGAATTTATGTTTGAACACAGAAAGTTT
CTTAGTGACCAGTATAATTCTCAGCCTGCGAAATATGTACCACCAGAAGGAAGGCCCCCA
AACTTGATGATTTTAAGAGCGCCGAAGCCTTGGACATTTTGAAGTAACCATACTAGGT
CTGAACCATGAGATAGCAATCGATGTTGCTTTCCTACCCATGTATTGTCCAGAAGATATT
CGAACATCTCAATAGACACACTGTTGACCTCCATGAATTACAGCTGTGCATATCCACAG
GACACAACCTGGAATGACCGATTGCCAGGTCCAAGAGCGGTTGCAGGTGATATTAAAA
GCAGCAACTGAACTGGATAGAGTGATATCGTCGGTATCTTGGATATCTGTAATTTGGGT
AATAATAAAGTGAAGTCTATTTGCACAAGATTTATAGTCCAGAGAATACTTCTTAA

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Restriction Sites: Please inquire

ACCN: NM_001184782

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:	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>NM_001184782.1</u> , <u>NP_001171711.1</u>
RefSeq Size:	3628 bp
RefSeq ORF:	2277 bp
Locus ID:	55086
UniProt ID:	<u>Q6NSI4</u>
Cytogenetics:	Xq22.3
Gene Summary:	Single-stranded DNA-binding protein recruited to replication forks to maintain genome stability (PubMed:28735897). Prevents fork collapse by antagonizing the accumulation of RAD51 at forks to ensure the proper balance of fork remodeling and protection without interfering with the capacity of cells to complete homologous recombination of double-strand breaks (PubMed:28735897).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) has multiple differences in the coding region but maintains the reading frame, compared to variant 1. This variant encodes isoform 2, which is shorter than isoform 1.