

Product datasheet for **SC127357**

RADX (NM_018015) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | RADX (NM_018015) 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_018015, the custom clone sequence may differ by one or more nucleotides

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ATGTCTGGTGAGTCAGGACAGCCTGAGGCTGGTCCTCACATGCAGGGCTAGATTGGCCGAACCCTGAGA
GGAATCGGGCTGGGGTCCCGGAGGGGTGATCCGAAGAGCTGGTCCCAAGGGCCAGGTCTGGATCCA
AAAGGTTCTTGAGCAGATTATGGACTCACCTCGCCAGTGTGTACCCCTCGGAGGTGGTGCCTGTAAC
GTGCTGGCCGTCCAGAGGTACCTGTTAGAGGATGAGCCACGCGACACGGTGCCCAAGCCTCCCTTTATT
GCTATGATGTGACGATCTCAGATGGGGTGTACCAGGAGAAGTGCTACCTGGACCCAGCTTGAACCTCTC
CGTATATCAAAATATTCTTAAAGTTGGCATTCAAATGAGAATTTCCAGGGTCTCATGTCTTTACAATGAG
AAAAGGATAGGCCAGGGATCCTGTGCATAGATAACGTCCACTGTGGGAGACTTCAGACAGTATTTCTT
TAGAACTCCCTCAGAAATAGAGCGCACCCAGGAGAAACCAGAGAGGCCCTTAAAGAGCGGGAAGAGTCA
TTACCTGGCGCTGTGGAATAACGAAGATCCCTATGGAGATATCTGGTTAACAGACAAGCAACCTGAGGAA
CACAACTTTAGCGATACCAAAATAATTTCCCTTCTCATCTTGAATGACCTGGACTAACAGAAGAAATTT
TCCTGCATTGCTGTGAGGATCTTACATAAATCAAACCTGCGTACTATGGAAAACCTGATAAAAAGAT
GATTGAACCATATCAGACCTTTTGGAAAGTTGCTGACAGTTACGGCACAGTGTGAGTGATTATGTGGAA
GCCCTGTGTCCTGAGTGGTATAAAAAGTTTGCGGGTTGGTTTAGTCTTCTGCTTCAAGACTATTCTGTTA
AAAAGAGTTATCCATTGAGAATACAGCCTGTCCCGTGGATCCACAGATCAAACATAATTTCTACAATGGA
AATCTGCCTGAATCTTCGAGATCCCCAACAAATATAATTATCATTCCAGAAAAGCAGGTGAAACCAGAA
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TCTGTGATGTTATTGGCCTTTTAGTTTTGTAGGAAGGGTCCAGCGGTCAAAAAAGAAAACCGTGA
AGATTTTTGGTCATATCGCTGGATTACATTGCTGACGGTACTTCAGAACAACTTTATAGTGGAACTG
TTTTCAACATCGCAGCCAGAAATCTTTGAAAATATTTACCAATGGCATATTTTTGTGTACACAGATTGA
AAGTTGTGAGAAATGACAATCAAGTACCTAAGCTGCTTTACCTCACCCTACAAATGAGAGTGGAGTGT
TATTACTGGTCATAGAGGCCAGCGTATACGTATGATGCCAAGGTAAAAACTTTATTCAATGGATTAGA
ACAAAGTCTGATTCGGGGAACAGAAGAAATATGGTTATTGGTGGATATTACCCCTATCCACCAGTCCAG
AGACATTTTCAAGTATAGTAGTTCTATTAAGTTGAGTCGCTTTGACAGCTATAAGTGAAGTCAGGAA
GGAGATTGAAGACTTGCAGTATAGGGAACAAAAGCGCATTGCAATTCAGGGGATAATTACTGCTATAAG
TATATCCCCATAGCAGTGCAGTGAAGTGCCTCAGCATCAGAAACACTTCGGAATGCTAACAGACCT
CGACCTCTCAAGCAGCTAGAGTAGAAATCAAGAAAGAAATGGTAAACGGCATCAAGATGATGAGCCTGT
GAATTCTCAGTATTTCCAACTACATCTACAAATTTAAGTCTGAGCAATAAAATAAGAATCTTCAAGGC
CCACACGTAATCCAGTTGCTGTACCTCAACCAGGAGCTTCTGTACAAACAAAGGGAATTAACCGGGCA
TGCCAAGCATCTCAACCGTCGAGCAAATATAAATGCTAATCTGCAAGGAAAGCCAGAAAAACTATAAG
TGATAGGTGGGAGAGTCAGCTGTGGAGAGAGAAAAAGTTGGCTTAATAGATCACCTACACTACAGCCGT
GTTTATCTGAAAGTATTCACGGAAATTTATGTTTGAACACAGAAAGTTTCTTAGTGACCAGTATAATT
CTCAGCCTGCGAAATATGTACCACCAGAAGGAAGGCCCAAACTTGATGATTTAAGAGCGCCCGAAG
CCTTGGACATTTTGAAGTAACTACTAGGTCTGAACCATGAGATAGCAATCGATGTTGCTTTCTACCC
ATGTATTGTCCAGAAGATATTCGAACATCTCAAATAGACACACTGTTGACCTCCATGAATTACAGCTGTG
CATATCCACAGGACACAACCTGGAATGACCGATTGCCAGGTCCAAGAGCGGTTGCAGGTGATATTAAAA
AGCAGCAACTGAACTGGATAGAGTGCATATCGTCGGTATCTTGATATCTGTAATTTGGGTAATAATAAA
GTGGAAGTCTATTTGCACAAGATTTATAGTCCAGAGAATACTTCTTAA
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| 5' Read Nucleotide Sequence: | <p>>OriGene 5' read for NM_018015 unedited ACTCACTATAGGGCGGCCGCAATTCGGCACGAGGTCGTGCGCAAAGCGCGCGTTTTAT TTCTCTCCGCTTTGGACGGGGCAAAGTACTTTTGGGAGTGAAGCGGGTACGCAGTTATC CAACAATGTCTGGTGAGTCAGGACAGCCTGAGGCTGGTCCCTCACATGCAGGGCTAGATT GGCCGAACCTGAGAGGAATCGGGCTGGGTCCCGGGAGGGGTGATCCGAAGAGCTGGTT CCCAAGGGCCCAGGTCTGGATCCAAAAGTTCTTGAGCAGATTATGGAAGTACCTCGCC AGTGTGTACCCCTCGGAGGTGGTGCCTGTAAGTGTGCTGGCCGTCCAGAGGTACCTGT TAGAGGATGAGCCACGCGACACGGTGCCCAAGCCTCCCCTTTATTGCTATGATGTGACGA TCTCAGATGGGGTGTACCAGGAGAAGTGCTACCTGGACCCAGCTTGAAGTCTCTCGTAT ATCANAATATTCTTAAAGTTGGCATTCAAATGAGAATTTCCAGGGTCTCATGTCTTTACA TGAGAAAGGATAGGCAAGGGGATCCTGTGCTAGATAACGTCACTGTGGGAGACTCAGAC AGTATTTTTTAGAACTCCCTTCAGAATAGAGCGCACCAGAGAACCAGAGAGCCTTTAGA GCNGGAAGAGTCATACCTGGCGCTGTGGATAACGAAGATCCTAGGAAATATCTGTAAACA ACAAGCAACTGAGGACACAACCTACCGATCCCCAATAATTCCTTTCTCATCTGAAGACCT GACTACAGAGAAATTTCTGATGCTGGGAAAGACCTACTAAATCAACTGGATCTTGGGAA ACTGTAAGAGATGACCTTCGACTTTTTGGAATGCTAAATTAAGCAAGGCCGGAATTT TGAAGCCCTGCCAGGTAAAAAAGCGGGGGGGTTTATCCTCGCTAAAAAT</p> |
| 3' Read Nucleotide Sequence: | <p>>OriGene 3' read for NM_018015 unedited GCAATCTAAAGTCGAGTNTTTTTTTTTTTTTTTTTTTTTTTTTTTTATGGCATTAACTTCTT TAATAATTCACCTAAAAGTGAACACGAGAGGAATCCACTGTTTAGTTAACATTTACACA CAATTATAAAGAATAAAAGACTGAATACATTTATGAACAACTGCAGTATGTCTTTAGGT TCATAGGCTGCTCAACACATTTAAAGCGTATAGCAAATGAAGTCACAGAACTATAGGGCT ACAAGAAAATCCCAAGTTTATAGCTTAACTGGAATCAGATTTATCTTGATACAGAATA ATCTATAAACTCATTTAATGGTCATTTTGTCTCATCTAACAAACCACACAGATGTCAACC ACCGGGCCTTGCAAAATGCAGAGTGGCCATTTACATTTAAATGAAGTATTATAGACAACC AGAATAAAATCAATTCCTGTTTACTATTTTCCATTTTCAATATGAGCATTTGAAATGT TAATATGAGATACAATTTCACTATTTAACTCACATTACATATACTGAACTACCAATGA GTACAGCAAGAATATAGACATACTGCAGCCTTTGACTTTAACATCAACACTGGTTAAA ATACTGAGAAATTCGAACCACACAAAGTCACAAAATGAAGTGGAAAAACCTTAAGACAAT TTAATTTACCACGCTTATTTTGCAGCTGAGCAAGCTAAGGACCAGGGGCACCTAGACCT ATAATGTGTACTTTTGAAGAGATACAACTACCTTGTGTTGTAAGTGCAGGTTGAACAC TTAGGAGGACAGTCTTAACTGGCAATCCAATTTTCCATATATGTGAATAAATTGAAGG GAGTTAAATGCCCTGGAAAGTACTTCTGAAGTAGGAAGCCTAACTGAGCTTTAAATGAAG CCCTTCCAAAGGATAGGACATAATACCCAAGTATGCTCTATTAGTACAGGTAAT CCTTTACCAAATATTGGAGACCTTCAAAGAG</p> |
| Restriction Sites: | NotI-NotI |
| ACCN: | NM_018015 |
| Insert Size: | 4200 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). |

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| 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_018015.3 , NP_060485.3 |
| RefSeq Size: | 3861 bp |
| RefSeq ORF: | 2568 bp |
| Locus ID: | 55086 |
| UniProt ID: | Q6NSI4 |
| Cytogenetics: | Xq22.3 |
| Gene Summary: | <p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p> |