

Product datasheet for **SC322694**

SNM1A (DCLRE1A) (NM_014881) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SNM1A (DCLRE1A) (NM_014881) Human Untagged Clone
Tag:	Tag Free
Symbol:	SNM1A
Synonyms:	PSO2; SNM1; SNM1A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for SC322694
 GGGATTGTTTCATTGCTGCTGGAGGAAGATCATGGACTGTCGCGGGAACTGAAGTGGTTG
 AGTATCCACTAGTCGTGGATGAGGGCAGTGAAGTTCGCGAGTTTTTTGCGAATTACACATCT
 CTTTGATTATGTTGTGACTAGTTTTGTTAGATAGTCATTTAGTGTGGGATACCTGTTA
 AGCCCTTTGTCCAGGACTGTGGTTGGATTTATGAATTATTTGGACGGTTGCCACTTGA
 AAGAACTGACAGTAGCTTCATAACAATGTTACAAATCTCGTTCTAAGATTAAGCTGTTGA
 ACCTATATTTGCCATTAGCGCTTAATTTTTGAAGTATTATTTTTATGAATCAAGCCCTGG
 AAAAGGACAAGATATTTGAATGAAATAGCACCCATAATGGAGAACTTCACAGTTGCTACT
 CCTGTGATAGGTTTATCTTAGTTTCATTGTGGTATAAATGGAATAGCAGGTGTTGCAGG
 TACAAGGTTTGTAGCTTGCCAATATGTTTCATTACCAACTGCAGATTCCCATTGAGTTG
 GTGGGGTTTTGTACCTTTGTTTTTTTCTCAGCAAAAATAATTCTATAACTTTTTGTTT
 GTGACAAGAAATGGACTTTCAGTTTACTTAAGATTAATACTTCTTGAATGATAAAATCAT
 TTTGCCATGTTAGAAGACATTTCCGAAGAAGACATTTGGGAATACAAATCTAAAAGAAAA
 CCAAAACGAGTTGATCCAAATAATGGCTCTAAAAATATTCTAAAAATCTGTTGAAAAGCA
 ACAGATGGAAAATACCAGTCAAAACGGAGTAGAAAACAGAAAAGAGCCGAGAAAGCTAAA
 GAGGTGAAGGACCATGAAGTGCCCTTTGGAAATGCAGGTTGTCAGACTTCTGTTGCTTCT
 AGTCAGAATCAAGTTGTGGAGATGGTATTCAGCAGACCCAAGACAAGGAACTACTCCA
 GGAAAACCTCTGTAGAACTCAAAAAGCCAACACGTGTCCCAAGATACGTCCAGTTTAT
 GATGGATACTGTCCAAATGCCAGATGCCTTTTTCTCATTGATAGGGCAGACACCTCGA
 TGGCATGTTTTTGAATGTTGGATTCTCCACCACGCTCTGAAACAGAGTGTCTGATGGT
 CTTCTGTGACCTCAACCATTCCTTTTCTTACAAGAGATACACTCACTTCTGCTAGCT
 CAAAGCAGGGCTGGTATCATCCTTTTAGCAGCCATCACCTGCGTCAGGTGGCAGTTTC
 AGTGAGACTAAGTCAGGCGTCTTTGTAGCCTTGAGGAAAGATGGTCTTCGTATCAGAAC
 CAAACTGATAACTCGTTTTCAAATGATCCCTTATTGATGACACAGTATTTTTAAAAGTCT
 CCGTCTCTGACTGAAGCCAGTAAAAGATTTCTACTCATATCCAAACATCCCAACAGCT
 CTACAATTTACAGATTTTGTGAGAATGACAAACTAGTGGGAGTTGCTTTGCGTCTTGCA
 AACAACTCAGAACACATAAATTTGCCATTGCCAGAAAATGACTTCAGTACTGTGAAATC



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TCCTATTCTCCACTTCAAAGTGATGAAGACACTCATGATATCGATGAAAAACCGCATGAT
 TCACAAGAACTGTTTTTACCGAAAGCTCAAAGATGGCAGCCTCGAAGAAGATGAT
 GACAGCTGTGGTTTTTAAAAACGACATGGTCCCTTACTGAAGGACCAGGATGAGAGC
 TGCCCCAAAGTGAACAGCTTCTTAACTCGGGATAAGTATGATGAAGGATTGTATAGATTC
 AATAGTCTAAATGATTTGTCTCAACCTATTTCTCAAAAATAGAGAGTACTTTGCCTTAT
 GATCTGGCATGTACTGGTGGTGATTTTGTGTTTCCACCTGCATTGGCAGGGAAGCTT
 GCTGCTTCTGTTTCATCAGGCACTAAAGCAAACTGATGAGCCAGAATTTCACTCAGCT
 CAATCAAATAAACAGAAACAGGTAATTGAAGAATCATCTGTTTACAATCAAGTTTCTCTT
 CCGTTAGTTAAGAGTTTAAATGTTGAAACCTTTTAAAAGTCAGGTAGAAGGGTATCTTTCT
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 AATACTAACTCAGCATGTTTCTGCAGAAAGGCATTAGAGGGTGTGCCAGTTGGTAAAGCT
 ACAATTTTAAATACAGAAAACCTGTCTAGTACACCTGCTCCGAAGTATTTGAAAATATTG
 CCTTCTGGTCTTAAGTATAATGCAAGACATCCTTCTACCAAGGTAATGAAGCAAATGGAT
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 GCATTAGAATGGATAAACTTAAATCCAGTTCGAAGTCTAATCAAAGAGGTCTCGCAG
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 ACAGAATCTGAAGCAGTCAATTTAAGTAAAGTCAAAGTCTTCAAAAAACAGTCAATGGT
 GGGCTGCAAAAGGGGCAACAAGAAAATCCAGAGTCATCTAATGTAGGAGGATCAAGAAAA
 AAGACATGTCCATTCTATAAGAAAATACCTGGAACCGGCTTTACAGTTGATGCCTTTGAG
 TATGGCGTGGTTGAAGGTTGCACAGCCTATTTTCTCACACATTTTCACTTGTATCATTAT
 GCTGGATTGTCTAAACACTTTCACATTTCCAGTTTATTGTAGTGAGATAACTGGCAATTTG
 TTGAAGAACAAGCTTTCATGTGCAAGAACAATATATTCACCCATTGCCACTGGACACTGAA
 TGATTGTGAATGGTGTCAAAGTTGTTTTGCTTGATGCCAATCACTGTCCAGGTGCTGTC
 ATGATCCTCTTTTATCTTCTAATGGTACTGTCATATTACACACGGGAGACTTCAGAGCA
 GATCCCAGCATGGAACGTTCTTCTTCTGCGGACCAGAAAGTCCATATGCTGTAAGTATGAT
 ACCACATATTGTAGCCAGAAATACACCTTTCCATCTCAGCAAGAGGTTATCCGGTTTGCC
 ATCAACACTGCCTTTGAGGCTGTAACCTAAACCCACATGCTCTTGTGTCTGTGGCACT
 TACTCTATTGAAAAGAGAAAGTCTTCTAGCCATTGCTGATGTTTTAGGTTCAAAGTGT
 GGCATGTCCCAGGAAAAATATAAACTCTACAGTGCCTCAATATACCAGAAATTAATTCAT
 CTATCACTACCGACATGTGCAGTTCATTGGTTCACCTTCTCCCAATGATGCAAAATTAAT
 TTTAAGGGCTTACAGAGTCATTTGAAGAAGTGTGGTGGGAAATACAATCAGATTTTGGCA
 TTTTCGACCTACAGGATGGACACACTCTAACAAGTTCAGTAGAATAGCAGATGTTATTTCC
 CAGACCAAGGAAACATTTCAATATATGGAATTCCTTACAGTGAACACAGCAGCTACCTA
 GAAATGAAGCGCTTTGTCCAGTGGCTGAAGCCCCAGAAAATCATACCTACTGTAATGTG
 GGCACCTGGAAATCTAGGAGCACAATGGAGAAATTTTTAGAGAGTGGAAATGGAAAGCT
 GGATATTGATGATACCTCCGAGGATTCAGTAGTAGTAAAGTTCCTTGGATGTAGCTTGT
 AGTAGTTAAATCTATAGAAATGTGAAATACACTTTGTGTGGAAAAACCTCATGAAGATTG
 TTCAGATACTTTATTTTCTCATTTATGTTTGAACAACATGTTTCGTGGTGTGAATGCCTC
 TCAGCATCATCAAGGATAACTGAAACTGGTCTCCCTGGGACCCTTAATTTCTTGTCCCC
 TGCCCTCCATGGGAGTTATATTCTGCATCAAGCCTTAGAAGAGGAAGCAAGGCAGATT
 CAGGGACCAAAAGGATTAATGATAATTAATAAAGTAGTTTGAAGCATTATATATAAAGT
 AATTATGTGCTTTAAAATTTATGAGATGAAACTTTTATATGACGTGTATACTTAAATAAA
 ATTAATATAAAATTTGAAA
 AAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_014881

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_014881.2 , NP_055696.2
RefSeq Size:	4270 bp
RefSeq ORF:	3123 bp
Locus ID:	9937
UniProt ID:	Q6PJP8
Cytogenetics:	10q25.3
Protein Families:	Druggable Genome
Gene Summary:	<p>This gene encodes a conserved protein that is involved in the repair of DNA interstrand cross-links. DNA cross-links suppress transcription, replication, and DNA segregation. The encoded protein is a regulator of the mitotic cell cycle checkpoint. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2012]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Both variants 1 and 2 encode the same protein.</p>