

Product datasheet for **SC320243**

U1A (SNRPA) (NM_004596) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U1A (SNRPA) (NM_004596) Human Untagged Clone
Tag:	Tag Free
Symbol:	U1A
Synonyms:	Mud1; U1-A; U1A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_004596.3
 CTTTGTGGTTTGGTCTCAGGGAAGTAGCAGGCGCCGGTTGAGAGAACTACGGCCCTGTCCG
 GAAGGTAACCTCCGGTGCAAACGACCATCGGCGGCAGGCGAGCGGTACGCTTGGCGTCCG
 GGCCTTCTGGGCCCGTCTGAGGAACTTGCTGCTCGAGGCCAGGCTGCCTAGGACCTGT
 CCCTTTTTTCTATACTGGCTCCACATCCGGTTTTTTCTCCGGGACGGCCCTTCGGATG
 CTTGGGCAATGGGAATCGCCATTTAGGGTGCTCCGCCACCGGTTCGCTAGAGCATCC
 TGAAGTCGTAGTAAATCTCTCGAGAGTTCTCTCCGCACGCGGGCTGGAGAAGCGGGTCC
 TACGCACGCTTTGTTGTGCGCTTTGCCTCCGTCCTTCCCCTACTCCCGCCTTACTGA
 CTTCTTTTTCGGAGGAAGATCCTTGAGCAGCCGACGTTGGGACAAAGGATTTGGAGAAAC
 CCAGGGCTAAAGTCACGTTTTTCTCCTTAAGACTTACCTCAACACTTCACTCCATGGC
 AGTTCCCAGACCCGCCCTAACACACTATTTATATCAACAACCTCAATGAGAAGATCAA
 GAAGGATGAGCTAAAAAGTCCCTGTACGCCATCTTCTCCAGTTTGGCCAGATCCTGGA
 TATCCTGGTATCACGGAGCCTGAAGATGAGGGGCCAGGCCTTTGTATCTCAAGGAGGT
 CAGCAGCGCCACCAACGCCCTGCGCTCCATGCAGGGTTTCCCTTCTATGACAAACCTAT
 GCGTATCCAGTATGCCAAGACCGACTCAGATATCATTGCCAAGATGAAAGGCACCTTCGT
 GGAGCGGACCGCAAGCGGGAGAAGAGGAAGCCCAAGAGCCAGGAGACCCCGGCCACAA
 GAAGGCTGTGCAAGGCGGGGAGCCACCCCGTGGTGGGGCTGTCCAGGGCCGTGCC
 GGGCATGCCGCCGATGACTCAGGCGCCCGCATTATGCACCACATGCCGGGCCAGCCGCC
 CTACATGCCGCCCCCTGGTATGATCCCCCGCCAGGCCTTGACCTGGCCAGATCCCACC
 AGGGGCCATGCCCCGCAGCAGCTTATGCCAGGACAGATGCCCCCTGCCAGCCTTTTC
 TGAGAAATCCACCGAATCACATCTTGTTCCCTACCAACCTGCCAGAGGAGACCAACGAGCT
 CATGCTGTCCATGCTTTTCAATCAGTTCCTGGCTTCAAGGAGGTCCGTCTGGTACCCGG
 GCGGATGACATCGCTTTCGTGGAGTTTGACAATGAGGTACAGGCAGGGGCAGCTCGCGA
 TGCCCTGCAGGGCTTTAAGATCACGCAGAACAACGCCATGAAGATCTCCTTTGCCAAGAA
 GTAGCACTTTTTCCCCCATGCCTGCCCTTCCCCTGTTCTGGGGCCACCCCTTTCCCCC
 TTGGCTCAGCCCCCTGAAGGTAAGTCCCCCTTGGGGCCTTCTTGGAGCCGTGTGTGAG
 TGAGTGGTCGCCACACAGCATTGTACCCAGAGTCTGTCCCAGACATTGCACCTGGCGCT
 GTTAGGCCGAATTAAGTGGCTTTTTGAGGTTTGGTTTTTCAAAAAAAAAAAAAAAAAA
 AAAAAA

Restriction Sites: Please inquire

ACCN: NM_004596

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: [NM_004596.3](#), [NP_004587.1](#)

RefSeq Size: 1626 bp

RefSeq ORF: 849 bp

Locus ID: 6626

UniProt ID: [P09012](#)

Cytogenetics: 19q13.2

Domains: RRM

Protein Families: Stem cell - Pluripotency

Protein Pathways: Spliceosome

Gene Summary: The protein encoded by this gene associates with stem loop II of the U1 small nuclear ribonucleoprotein, which binds the 5' splice site of precursor mRNAs and is required for splicing. The encoded protein autoregulates itself by polyadenylation inhibition of its own pre-mRNA via dimerization and has been implicated in the coupling of splicing and polyadenylation. [provided by RefSeq, Oct 2010]