

## Product datasheet for **SC323776**

### hnRNP U (HNRNPU) (NM\_004501) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	hnRNP U (HNRNPU) (NM_004501) Human Untagged Clone
Tag:	Tag Free
Symbol:	hnRNP U
Synonyms:	DEE54; EIEE54; GRIP120; hnRNP U; HNRNPU-AS1; HNRPU; pp120; SAF-A; SAFA; U21.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM\_004501.3  
GGCGGATCCGCTCTGCAGCACGAACCCATCTCCAGCCGACGCCGAGCCGCCCGCCGGCC  
CGAGGAGCAGCCGACGAGCCGCCACCAGTGCCGAGTGAGCGGAGCCGAGTTTGAGGCA  
GCGCCTAGCGGTGAATCGGGGCCCTCACCATGAGTTCCTCGCCTGTTAATGTAATAAAGC  
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CCGCCATGGAGCCCGGAACGGCAGCCTAGACCTGGCGGGGATTCCGCTGGGCGCTCGG  
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AGGAGGAGGAAGGAATCTCCGCTCTGGACGGCACCAGATGGAGCTAGGAGAGGAGAACG  
GGGCCCGGGGGCGCCACTCGGGCCCGATGGAGGAGGAGGAGCCGCCTCGGAAGACG  
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GCGCGGGCGACGAGAACGGGCACGGGGAGCAGCAGCCTCAACCGCCGGCGACGCAGCAGC  
AACAGCCCAACAGCAGCGCGGGCCGCAAGGAGGCCGCGGGGAAGAGCAGCGGCCCA  
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GCCACAAGTGTGAGTTGAATTTAATTTTGGTCAGAAGGAAAAGCCATATTTTCCAATAC  
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GGCCTGAAGAGAAGAAAGATTGTGAAGTTGTGATGATGATTGGCTTGCCAGGAGCTGGAA
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CAAATACTATTATGGATAAGATGATGGTGGCAGGTTTTAAGAAGCAAATGGCAGATACTG
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GTCGGGAGTCATTGTACAAATATAATAGAAATGTTAGCAACCAGATTCATGTAAGGACTA
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GGTTTTTTCTTAAAAACAATGGAATTGGTATAATTGGGATTGAAAACAAAACCTGGGA
ACTAAGATAGAGAAGATGGAGTGTATGTAGAAGGGCTGTAAAAATGTAACACTGGTTG
CATTATTTGTGGAGGCTCAAACCTGTGAAGTTAATACCATAATTTTCCATTTGTTCTG
CATTTTGATTCTGAAAAGAAAGCTGGCTTTGCCATTTCTTATTAAAAAAACTTGTGTGA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

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- Restriction Sites:** ECoRI-NOT
- ACCN:** NM\_004501
- 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\\_004501.3](#), [NP\\_004492.2](#)

**RefSeq Size:** 6789 bp

**RefSeq ORF:** 2421 bp

**Locus ID:** 3192

**UniProt ID:** [Q00839](#)

**Cytogenetics:** 1q44

**Domains:** SAP, SPRY

**Protein Families:** Druggable Genome

**Protein Pathways:** Spliceosome

**Gene Summary:** This gene encodes a member of a family of proteins that bind nucleic acids and function in the formation of ribonucleoprotein complexes in the nucleus with heterogeneous nuclear RNA (hnRNA). The encoded protein has affinity for both RNA and DNA, and binds scaffold-attached region (SAR) DNA. Mutations in this gene have been associated with epileptic encephalopathy, early infantile, 54. A pseudogene of this gene has been identified on chromosome 14. [provided by RefSeq, Jun 2017]  
Transcript Variant: This variant (2) uses an alternate splice site in the 5' coding region compared to variant 1, and encodes a shorter protein (isoform b).