

Product datasheet for **SC107014**

hnRNP U (HNRNPU) (NM_031844) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	hnRNP U (HNRNPU) (NM_031844) 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:	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_031844, the custom clone sequence may differ by one or more nucleotides

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ATGAGTTCCTCGCCTGTTAATGTAAAAAGCTGAAGGTGTCGGAGCTGAAAGAGGAGCTCAAGAAGCGAC
GCCTTCTGACAAGGGTCTCAAGGCCGAGCTCATGGAGCGACTCCAGGCTGCGCTGGACGACGAGGAGGC
CGGGGGCCGCCCGCCATGGAGCCCGGGAACGGCAGCCTAGACCTGGGCGGGGATTCCGCTGGGCGCTCG
GGAGCAGCCTCGAGCAGGAGGCCGCGCGCGCGATGAAGAGGAGGAGGAAGAGGAAGAGGAGGAGG
AAGGAATCTCCGCTCTGGACGGCACCAGATGGAGCTAGGAGAGGAGAACGGGGCCGCGGGGCGGCCGA
CTCGGGCCCGATGGAGGAGGAGGAGGCCCTCGGAAGACGAGAACGGCGACGATCAGGGTTTCCAGGAA
GGGGAAGATGAGCTCGGGGACGAAGAGGAAGGCGGGGCGACGAGAACGGGCACGGGGAGCAGCAGCCTC
AACCGCCGGCAGCAGCAGCAACAGCCCAACAGCAGCGGGGCGCCCAAGGAGGCCGCGGGGAAGAG
CAGCGGCCCCACCTCGCTGTTGCGGGTACGGTGGCGCCCGGGGCGAGGCAGGGCCAGCAGCAGGGC
GGAGGTAAGAAGAAGGCCGAAGGCGGCGGAGGCGGGTGCCTCCCGGGGCTCCGGCGCGGGGGACGGCA
AAACAGAACAGAAAGGCCGAGATAAAAAGAGGGGTGTTAAAAGACCACGAGAAGATCATGGCCGTGGATA
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GAACACTTCGATGACACAGTGGTTTGTCTTGATACTTATAATTGTGATCTACATTTAAAAATATCAAGAG
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TCCAATACCTGAAGAGTATACTTTCATCCAGAACGTCCCCTTAGAGGATCGAGTTAGAGGACCAAGGGG
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GATGGTGGCAGGTTTTAAGAAGCAAATGGCAGATACTGGAAAACGAACACACTGTTGCAGAGAGCCCC
CAGTGTCTTGGGAAATTTATTGAGATTGCTGCCGAAAGAAGCGAAATTTTATTCTGGATCAGACAAATG
TGTCTGCTGCTGCCAGAGGAGAAAAATGTGCTGTTTGCAGGCTTCCAGCGAAAAGCTGTTGTAGTTG
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CATGCGGTCTCAAATGAAAGGAACTTTACCTCCCAGAGGTAGCTGAGTGCTTTGATGAAATAACCT
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TACAACAGAGGTGGAATGCCCAACAGAGGGAACACAACCAGAACTTCAGAGGACGAGGAAACAATCGTG
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TCAGCATTATACCAAGGATATTATTGA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_031844 unedited
 AATTCTGGATTTGTAATCGNACTTATATAGGGCGGCAAAGCAATTCGCACGAGGCGCCGT
 TCGACACCAGGCGGATCCGCTCTGCAGCACGAACCCATCTCCAGCCGAGCCGAGCCGC
 CGCCCCGGCCGAGGAGCAGCCGAGCAGCCGCCACCAAGTGGCCGAGTGAGCGGAGCCGAG
 TTTGAGGCAGCGCTAGCGGTGAATCGGGGCCCTTTCTATGAGTTCTCGCCTGTTAATG
 TAAAAAAGCTGAAGGTGTCGGAGCTGAAAGAGGAGCTCAAGAAGCGACGCCTTTCTGACA
 AGGCTCTCAAGGCCGAGTCTATGGAGCGACTCCAGGCTGCGCTGGACGACGAGGAGGCCG
 GGGCCCGCCCGCCATGGAGCCCGGAACGGCAGCCTAGACCTGGCGGGGATTCCGCTG
 GCGCTCGGGAGCAGGCCTCGAGCAGGAGGCCGCGCCGCGCGGATGAAGAGGAGGAAG
 AAGAGGAAGAGGAGGAGGAAGGAATCTCCGCTCTGGACGGCGACCAGATGGAGCTAGGAG
 AGGAGAACGGGGCCGCGGGGGCGCCGACTCGGGCCCGATGGAGGAGGAGGAGGCCGCT
 CGGAAGACGAGAACGGCGACGATCAGGGTTTCCAGGAAGGGGAAGATGAGCTCGGGGACG
 AAGAGGAAAGGCGCGCGACGAGAACGGGCACGGNGAGCAGCAGCCTCAACCGCCGCGCA
 CGCAGCAGCAACAGCCCCACAGCAGCGCGGGGCCGACCAGGGAGGCCNNGCGGGAAGAG
 CAGCGGCCACACCTCGTGATCGCGGTGACGGTGCGCACCGCCGGGGCGAAGGCAGGACA
 GCANCAGCGGGGAAGGGACGGCAAAACGGAACAGAAAGCGGAGATAAAGAAGGGGTGAA
 AAGAACAGN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_031844 unedited
 TGGACCGCGGCCCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTAAAATGAATTCTT
 TTTATTGCAAACAACGTCTAAATTAATTTCTCCACCCACTTTCTTTAGAAAAGAAAAAGA
 AATCAGCAGGCTAAGGAGATACCCATTCAAGAAGTACATGATTAATAAATAAGATATAA
 ATGGGTGACTCACAATTTCAATTAGCTTACAAGATGGTGGAGTAACTACTACAAGCACA
 CTAGTTATACAGTATTTGTGGGAGAAGGCATACAGACATGGCTAACTTCATATAGATC
 CCATTAGACAACCTGGATTTACAACAAGTTTTTTAATAAGAAATGGGCAAAGCCAGCTTT
 CTTTTCAGAAATCAAAATGCAGAACAAATGGAAAAATATGGTATTAACCTTCACAAGTTT
 GAGCCTCCACAAATAATGCAACCAAGTTTTACATTTTTAACAGCCCTTCTACATACACTC
 CATCTTCTCTATCTTAGTTCCAAGTTTTAGTTTTCAATCCAATTATACCAATTCATTG
 TTATTTTAAGAAAAAACCTTCCCAGTTATTGTCAGAAACTATGATTTAGCTTACCCCTC
 CACTACCAGCAAACTACAGAGAGGATGGAGTGAATATGAGCAGTACAGAGTCTTAATG
 CAATTCATGAGGACCACTTAGTCTTACATGAATCTGGTTGCTAACATTTCTATTATATT
 GTGACAATGACTCCCGACTGTTATTCTCTGTGAGAAATGGGGGAGTAAATTTCTATNAA
 AGACACCAGGTACAAAGCACATTNTACTTCTGTTGTGATAAAAAAAAAAAAAAGTCACATT
 TTACAGATAAAATGTAGAACCCTGAATACTGACCATTCTTTATCGGCACATGCTGAGGG
 TCTCTACGATCACTTTAACNTGCATAAAAGTACAA

Restriction Sites:

NotI-NotI

ACCN:

NM_031844

Insert Size:

3870 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).

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_031844.2](#), [NP_114032.2](#)

RefSeq Size: 6846 bp

RefSeq ORF: 2478 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 (1) encodes the longer isoform (a).