

## Product datasheet for **SC321563**

### hnRNP K (HNRNPK) (NM\_002140) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	hnRNP K (HNRNPK) (NM_002140) Human Untagged Clone
Tag:	Tag Free
Symbol:	hnRNP K
Synonyms:	AUKS; CSBP; HNRPK; TUNP
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\_002140.2  
 CCGCAGTCTCGCGCGGCTACTGCAGCACTGGGGTGTGAGTTGTTGGTCCGACCCAGAACG  
 CTTTCAGTTCTGCTCTGCAAGGATATATAATAACTGATTGGTGTGCCCGTTTAATAAAAGA  
 ATATGGAACTGAACAGCCAGAAGAACTTCCCTAACACTGAAACCAATGGTGAATTTG  
 GTAACGCCCTGCAGAAGATATGGAAGAGGAACAAGCATTTAAAAGATCTAGAAACACTG  
 ATGAGATGGTTGAATTACGCATTCTGCTTCAGAGCAAGAATGCTGGGGCAGTGATTGGAA  
 AAGGAGGCAAGAATATTAAGGCTCTCCGTACAGACTACAATGCCAGTGTTTCAGTCCCAG  
 ACAGCAGTGGCCCCGAGCGCATATTGAGTATCAGTGTGATATTGAAACAATTGGAGAAA  
 TTCTGAAGAAAATCATCCCTACCTTGAAGAGGGCCTGCAGTTGCCATACCCACTGCAA  
 CCAGCCAGCTCCCGCTCGAATCTGATGCTGTGGAATGCTTAAATTACCAACTATAAAG  
 GAAGTGACTTTGACTGCGAGTTGAGGCTGTTGATTCATCAGAGTCTAGCAGGAGGAATTA  
 TTGGGGTCAAAGGTGCTAAAATCAAAGAACTTCGAGAGAACAACCTCAAACCACCATCAAGC  
 TTTTCCAGGAATGCTGCCTCATTCCACTGACAGAGTTGTTCTTATTGGAGGAAAACCCG  
 ATAGGGTTGTAGAGTGCATAAAGATCATCTTGATCTTATATCTGAGTCTCCCATCAAAG  
 GACGTGCACAGCCTTATGATCCCAATTTTTACGATGAAACCTATGATTATGGTGGTTTTA  
 CAATGATGTTTATGACCGTTCGCGGACGCCAGTGGGATTTCCCATGCGGGGAAGAGGTG  
 GTTTTGACAGAATGCCTCCTGGTTCGGGGTGGGCGTCCCATGCCTCCATCTAGAAGAGATT  
 ATGATGATATGAGCCCTCGTCGAGGACCACCTCCCTCCTCCCGGACGAGGCGGCGGG  
 GTGGTAGCAGAGCTCGGAATCTTCTCTTCCCTCCACCACCACCACCTAGAGGGGGAGACC  
 TCATGGCCTATGACAGAAGAGGGAGACCTGGAGACCGTTACGACGGCATGGTTGGTTTCA  
 GTGCTGATGAACTTGGGACTCTGCAATAGATACATGGAGCCCATCAGAATGGCAGATGG  
 CTTATGAACCACAGGGTGGCTCCGGATATGATTATTCCTATGCAGGGGGTCTGGGCTCAT  
 ATGGTGATCTTGGTGGACCTATTACTACACAAGTAAGTATTCCCAAAGATTTGGCTG  
 GATCTATTATTGGCAAAGGTGGTTCAGCGGATTAACAAAATCCGTATGAGTCGGGAGCTT  
 CGATCAAAATTGATGAGCCTTTAGAAGGATCCGAAGATCGGATCATTACCATTACAGGAA  
 CACAGGACCAGATACAGAATGCACAGTATTTGCTGCAGAACAGTGTGAAGCAGTATGCAG  
 ATGTTGAAGGATTCTAATGCAAGATATTTTTCTTTTTTATAGTGTGAAGCAGTATTCTG  
 GAAAGTTTTTCTAAGACTAGTGAAGAACTGAAGGAGTCTGCATCTTTTTTTTTTATCT  
 GCTTCTGTTTAAAAAGCCAACATTCCTCTGCTTCATAGGTGTTCTGCATTTGAGGTGAG  
 TGAATCTTTGCTGTTCCACAGATGTAATGTTTTAGTTCCTTACAACAGGGTTGGGGGG  
 GGAAGGGCGTGCAAAAATAACATTGAAATTTTGAACAGCAGCAGAGTGAAGTGGATTT  
 TATTTTTCGTTATTGTTGGTGGTTAAAAAATTCCTCCATGTAATTATTGTGAACACCT  
 TGCTTTGTGGTCACTGTAACATTTGGGGGGTGGGACAGGGAGGAAAAGTAAACAATAGTCC  
 ACATGTCCTGGCATCTGTTTCAGAGCAGTGTGCAGAATGTAATGCTCTTTTGAAGAAAAC  
 GTTTTATGATTTTTAAAAATAAATTTAGTGAACCTAAAAAAAAAAAAAAAAAAAAAAAAAA  
 AAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_002140

**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\\_002140.2](#), [NP\\_002131.2](#)

**RefSeq Size:** 2830 bp

**RefSeq ORF:** 1395 bp

**Locus ID:** 3190

**UniProt ID:** [P61978](#)

**Cytogenetics:** 9q21.32

**Domains:** KH

**Protein Pathways:** Spliceosome

**Gene Summary:** This gene belongs to the subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). The hnRNPs are RNA binding proteins and they complex with heterogeneous nuclear RNA (hnRNA). These proteins are associated with pre-mRNAs in the nucleus and appear to influence pre-mRNA processing and other aspects of mRNA metabolism and transport. While all of the hnRNPs are present in the nucleus, some seem to shuttle between the nucleus and the cytoplasm. The hnRNP proteins have distinct nucleic acid binding properties. The protein encoded by this gene is located in the nucleoplasm and has three repeats of KH domains that binds to RNAs. It is distinct among other hnRNP proteins in its binding preference; it binds tenaciously to poly(C). This protein is also thought to have a role during cell cycle progression. Several alternatively spliced transcript variants have been described for this gene, however, not all of them are fully characterized. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a). Transcript variants 1 and 2 encode the same isoform (a).