

Product datasheet for **MC216259**

Hnrnpk (NM_025279) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hnrnpk (NM_025279) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hnrnpk
Synonyms:	hn; Hnrpk; KBB; KBBP; NOVA
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216259 representing NM_025279
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGACCGAACAGCCAGAAGAAACCTTCCCAACACCGAAACCAATGGTGAATTTGGTAAACGCCCTG
 CAGAAGATATGGAAGAGGAGCAAGCCTTTAAAAGATCTAGAAATACTGATGAGATGGTTGAATTGCGCAT
 TTTGCTTCAGAGCAAGAATGCTGGAGCAGTGATTGGAAAAGGAGGCAAGAATATTAAGGCTCTCCGTACA
 GACTACAATGCCAGTGTTTCAGTCCCAGACAGCAGTGGCCCCGAGCGCATACTGAGTATCAGTGCTGATA
 TTGAGACGATTGGAGAAATCTGAAGAAAATCATCCCTACCTTGGAAAGGGCCTGCAGTTGCCATCACC
 CACTGCAACCAGCCAGCTCCCGCTCGAATCTGATGCTGTGGAATGCTTAAATTACCAACATTATAAAGGA
 AGTGACTTTGATTGCGAGTTGAGACTGTTGATTCATCAGAGTCTGGCAGGAGGAATAATTGGTGTAAAG
 GTGCTAAAATCAAAGAACTTCGAGAAAACACTCAGACAACAATCAAGCTTTCCAGGAGTCTGCCCTCA
 CTCTACTGACAGATTGTTCTTATTGGAGAAAACCTGATAGGGTTGTAGATGCATCAAGATCATCCTT
 GACCTTATATCTGAGTCTCCCATCAAAGGACGTGCACAACCTTATGATCCCAACTTTTATGATGAGACCT
 ATGATTATGGTGGTTTTACAATGATGTTTGATGACCGCCGAGGACGACCTGTGGGATTTCCCATGAGGGG
 AAGAGGTGGTTTTGACAGAATGCCTCCTGGTCGGGGTGGGCGTCCCATGCCTCCTTCTAGAAGAGATTAT
 GATGATATGAGCCCTCGTCGAGGACCTCCACCACCACCACCTGGTCGAGGTGGCCGGGTGGCAGCAGAG
 CCCGGAATCTGCCTCTTCTCCTCCACCACCACCAGAGGGGGAGATCTAATGGCTTATGACAGAAGAGG
 AAGGCCTGGAGACCGCTATGATGGCATGGTTGGGTTTCAGTGCTGATGAACTTGGATTCTGCAATTGAC
 ACATGGAGCCCATCAGAATGGCAAATGGCTTATGAACCACAGGGTGGTTCTGGATATGACTATTCTTATG
 CAGGGGCCGTGGCTCATATGGTGATCTTGGCGGACCTATTACTACACAAGTAACTTCCCAAGA
 TTTGGCTGGATCTATTATTGGCAAAGGTGGTCAGCGGATTAACAAATTGTCATGAATCTGGAGCATCA
 ATCAAAATTGATGAACCTTTAGAAGGATCTGAAGATCGGATCATTACCATTACAGGAACACAGGACCAGA
 TACAGAACGCACAGTATTGCTGCAGAACAGTGTGAAGCAGTATTCTGAAAAGTTTTTCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_025279
- Insert Size:** 1392 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_025279.3](#), [NP_079555.1](#)

RefSeq Size: 2793 bp

RefSeq ORF: 1392 bp

Locus ID: 15387

UniProt ID: [P61979](#)

Cytogenetics: 13 B1

Gene Summary: The protein encoded by this gene is a component of the heterogeneous nuclear ribonucleoprotein (hnRNP) complex, and is a poly-cytosine binding protein (PCBP). It is found in multiple subcellular compartments including the nucleus, cytoplasm and mitochondria. This gene product is thought to interact with RNA, DNA, and protein, and is involved in multiple cellular processes, including transcription, chromatin remodeling, DNA damage response, signal transduction, mRNA splicing, export, and translation. Multiple transcript variants and protein isoforms exist, with some isoforms containing a unique C-terminus. There are four pseudogenes of this gene, found on chromosomes 2, 3, 7 and 13. [provided by RefSeq, Aug 2014]

Transcript Variant: This variant (4) uses an alternative splice site in the 3' terminal exon, which results in a frameshift, compared to variant 1. It encodes isoform 2 which has a distinct and shorter C-terminus compared to isoform 1.