

Product datasheet for MC227707

Hnrnpk (NM_001301345) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hnrnpk (NM_001301345) 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
Fully Sequenced ORF:	>MC227707 representing NM_001301345 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGACCGAACAGCCAGAAGAAACCTTCCCAACACCGAAACCAATGGTGAATTTGGTAAACGCCCTG
CAGAAGATATGGAAGAGGAGCAAGCCTTTAAAAGATCTAGAAATACTGATGAGATGGTTGAATTGCGCAT
TTTGCTTCAGAGCAAGAATGCTGGAGCAGTGATTGAAAAAGGAGGCAAGAATATTAAGGCTCTCCGTACA
GACTACAATGCCAGTGTTTCAGTCCCAGACAGCAGTGGCCCCGAGCGCATACTGAGTATCAGTGGCTGATA
TTGAGACGATTGGAGAAATCTGAAGAAAATCATCCCTACCTTGGAGAGTACCAACATTATAAAGGAAG
TGACTTTGATTGCGAGTTGAGACTGTTGATTCATCAGAGTCTGGCAGGAGGAATAATTGGTGTAAAGGT
GCTAAAATCAAAGAACTTCGAGAAAACACTCAGACAACAATCAAGCTTTTCCAGGAGTGCTGCCCTCACT
CTACTGACAGAGTTGTTCTTATTGGAGGAAAACCTGATAGGGTTGTAGAATGCATCAAGATCATCCTTGA
CCTTATATCTGAGTCTCCCATCAAAGGACGTGCACAACCTTATGATCCCAACTTTTATGATGAGACCTAT
GATTATGGTGGTTTTACAATGATGTTTGTGACCGCCGAGGACGACCTGTGGGATTCCCATGAGGGGAA
GAGGTGGTTTTGACAGAATGCCTCTGGTGGGGTGGCGTCCCATGCCTCTCTAGAAGAGATTATGA
TGATATGAGCCCTCGTCGAGGACCTCCACCACCACCTGGTCGAGGTGGCCGGGTGGCAGCAGAGCC
CGGAATCTGCCTCTTCTCCTCCACCACCACCCAGAGGGGAGATCTAATGGCTTATGACAGAAGAGGAA
GGCCTGGAGACCCTATGATGGCATGGTTGGGTTCACTGCTGATGAAACTGGGATTCTGCAATTGACAC
ATGGAGCCCATCAGAATGGCAAATGGCTTATGAACCACAGGGTGGTTCTGGATATGACTATTCTTATGCA
GGGGCCGTGGCTCATATGGTATCTTGGCGGACCTATTACTACACAAGTAATTTCCCAAAGATT
TGGCTGGATCTATTATTGGCAAAGGTGGTCAGCGGATTAACAAATTCGTCATGAATCTGGAGCATCAAT
CAAAATTGATGAACCTTTAGAAGGATCTGAAGATCGGATCATTACCATTACAGGAACACAGGACCAGATA
CAGAACGCACAGTATTTGCTGCAGAACAGTGTGAAGCAGTATTCTGGAAAGTTTTTCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001301345
Insert Size:	1320 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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:	<u>NM_001301345.1</u> , <u>NP_001288274.1</u>
RefSeq Size:	2721 bp
RefSeq ORF:	1320 bp
Locus ID:	15387
UniProt ID:	<u>P61979</u>
Cytogenetics:	13 B1
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (6) lacks an in-frame exon and uses an alternative splice site in the 3' terminal exon, which results in a frameshift, compared to variant 1. It encodes isoform 4 which is shorter and has a distinct C-terminus compared to isoform 1.</p>