

Product datasheet for MR229918

Hnrnpk (NM_001301345) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hnrnpk (NM_001301345) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Hnrnpk
Synonyms: hn; Hnrpk; KBB; KBBP; NOVA
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR229918 representing NM_001301345
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGACCGAACAGCCAGAAGAAACCTTCCCAACACCGAAACCAATGGTGAATTTGGTAAACGCCCTG
 CAGAAGATATGGAAGAGGAGCAAGCCTTTAAAAGATCTAGAAATACTGATGAGATGGTTGAATTGCGCAT
 TTTGCTTCAGAGCAAGAATGCTGGAGCAGTGATTGAAAAAGGAGGCAAGAATATTAAGGCTCTCCGTACA
 GACTACAATGCCAGTGTTTCAGTCCCAGACAGCAGTGGCCCCGAGCGCATACTGAGTATCAGTGCTGATA
 TTGAGACGATTGGAGAAATCTGAAGAAAATCATCCCTACCTTGAAGAGTACCAACATTATAAAGGAAG
 TGACTTTGATTGCGAGTTGAGACTGTTGATTCATCAGAGTCTGGCAGGAGGAATAATTGGTGTAAAGGT
 GCTAAAATCAAAGAACTTCGAGAAAACACTCAGACAACAATCAAGCTTTTCCAGGAGTGCTGCCCTCACT
 CTAAGCAGAGTTGTTCTTATTGGAGGAAAACCTGATAGGGTTGTAGAATGCATCAAGATCATCCTTGA
 CTTATATCTGAGTCTCCCATCAAAGGACGTGCACAACCTTATGATCCCAACTTTTATGATGAGACCTAT
 GATTATGGTGGTTTTACAATGATGTTTGTGACCGCCGAGGACGACCTGTGGGATTCATGAGGGGAA
 GAGGTGGTTTTGACAGAATGCCTCTGGTGGGGTGGCGTCCCATGCCTCTCTAGAAGAGATTATGA
 TGATATGAGCCCTCGTCGAGGACCTCCACCACCACCTGGTCGAGGTGGCCGGGTGGCAGCAGAGCC
 CGGAATCTGCCTCTTCTCCTCCACCACCACCCAGAGGGGAGATCTAATGGCTTATGACAGAAGAGGAA
 GGCTGGAGACCCTATGATGGCATGGTTGGGTTCAAGTCTGATGAAACTGGGATTCTGCAATTGACAC
 ATGGAGCCCATCAGAATGGCAAATGGCTTATGAACCACAGGGTGGTTCTGGATATGACTATTCTTATGCA
 GGGGGCCGTGGCTCATATGGTATCTTGGCGGACCTATTATCACTACACAAGTAATTTCCCAAAGATT
 TGGCTGGATCTATTATTGGCAAAGGTGGTCAGCGGATTAACAAATTCGTCATGAATCTGGAGCATCAAT
 CAAAATTGATGAACCTTTAGAAGGATCTGAAGATCGGATCATTACCATTACAGGAACACAGGACCAGATA
 CAGAACGCACAGTATTTGCTGCAGAACAGTGTGAAGCAGTATTCTGGAAAGTTTTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229918 representing NM_001301345
Red=Cloning site Green=Tags(s)

METEQPEETFNPNTETNGEFGKRPAEDMEEEQAFKRSRNTDEMVELRILLQSKNAGAVIGKGGKNIKALRT
 DYNASVSPDSSGPERILSISADIETIGEILKKIIPTELEYQHYKGSDFDCELRLLIHQSLAGGIIGVKG
 AKIKELRENTQTTIKLFQECCPHSTDRVVLIGGKPDVVECIKIILDLISESPIKGRAQPYDPNFYDETY
 DYGGFTMMFDRRGRPVGFPMRGRGGFDRMPPGRGGRMPPSRRDYDDMSPRRGPPPPPPGRGGRGGSRA
 RNLPLPPPPPRGGDLMA YDRGRPGDRYDGMVGFSADETWDSAIDTWPSEWQMA YEPQGGSGYDYSYA
 GGRGSYGLDGGPIITTQVTIPKDLAGSIIGKGGQRIKQIRHESGASIKIDEPLEGSEDRIITITGTQDQI
 QNAQYLLQNSVKQYSGKFF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

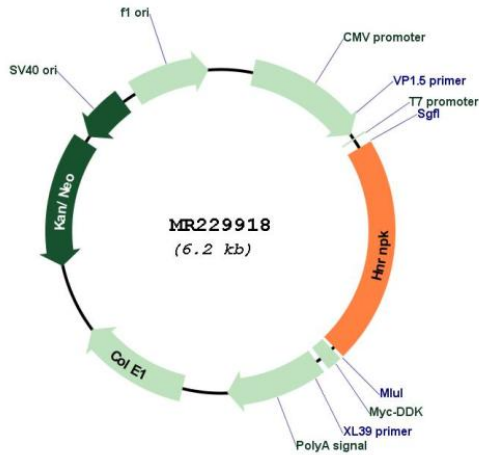
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001301345

ORF Size:	1317 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_001301345.1 , NP_001288274.1
RefSeq Size:	2721 bp
RefSeq ORF:	1320 bp
Locus ID:	15387
UniProt ID:	P61979
Cytogenetics:	13 B1
MW:	49 kDa
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]