

Product datasheet for MR229929

Hnrnpk (NM_001301344) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hnrnpk (NM_001301344) 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:	>MR229929 representing NM_001301344 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGACCGAACAGCCAGAAGAAACCTTCCCAACACCGAAACCAATGGTGAATTTGGTAAACGCCCTG
CAGAAGATATGGAAGAGGAGCAAGCCTTTAAAAGATCTAGAAATACTGATGAGATGGTTGAATTGCGCAT
TTTGCTTCAGAGCAAGAATGCTGGAGCAGTGATTGAAAAAGGAGGCAAGAATATTAAGGCTCTCCGTACA
GACTACAATGCCAGTGTTTCAGTCCCAGACAGCAGTGGCCCCGAGCGCATACTGAGTATCAGTGCTGATA
TTGAGACGATTGGAGAAATCTGAAGAAAATCATCCCTACCTTGAAGAGTACCAACATTATAAAGGAAG
TGACTTTGATTGCGAGTTGAGACTGTTGATTCATCAGAGTCTGGCAGGAGGAATAATTGGTGTAAAGGT
GCTAAAATCAAAGAACTTCGAGAAAACACTCAGACAACAATCAAGCTTTTCCAGGAGTGCTGCCCTCACT
CTACTGACAGAGTTGTTCTTATTGGAGGAAAACCTGATAGGGTTGTAGAATGCATCAAGATCATCCTTGA
CCTTATATCTGAGTCTCCCATCAAAGGACGTGCACAACCTTATGATCCCAACTTTTATGATGAGACCTAT
GATTATGGTGGTTTTACAATGATGTTTGTGACCGCCGAGGACGACCTGTGGGATTCCTCATGAGGGGAA
GAGGTGGTTTTGACAGAATGCCTCTGGTGGGGTGGCGTCCCATGCCTCTCTAGAAGAGATTATGA
TGATATGAGCCCTCGTCGAGGACCTCCACCACCACCTGGTCGAGGTGGCCGGGTGGCAGCAGAGCC
CGGAATCTGCCTCTTCTCCTCCACCACCACCCAGAGGGGAGATCTAATGGCTTATGACAGAAGAGGAA
GGCCTGGAGACCCTATGATGGCATGGTTGGGTTCACTGCTGATGAAACTGGGATTCTGCAATTGACAC
ATGGAGCCCATCAGAATGGCAAATGGCTTATGAACCACAGGGTGGTTCTGGATATGACTATTCTTATGCA
GGGGGCCGTGGCTCATATGGTATCTTGGCGGACCTATTATCACTACACAAGTAATTTCCCAAAGATT
TGGCTGGATCTATTATTGGCAAAGGTGGTCAGCGGATTAACAAATTCGTCATGAATCTGGAGCATCAAT
CAAAATTGATGAACCTTTAGAAGGATCTGAAGATCGGATCATTACCATTACAGGAACACAGGACCAGATA
CAGAACGCACAGTATTTGCTGCAGAACAGTGTGAAGCAGTATGCAGATGTTGAAGGATTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online >](#)

Protein Sequence: >MR229929 representing NM_001301344
 Red=Cloning site Green=Tags(s)

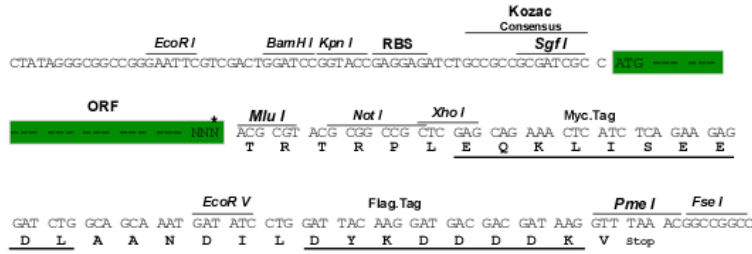
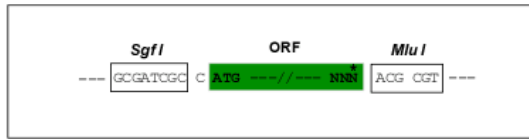
METEQPEETFNPNTETNGEFGKRPAEDMEEEQAFKRSRNTDEMVELRILLQSKNAGAVIGKGGKNIKALRT
 DYNASVSPDSSGPERILSISADIETIGEILKKIIP TLEEYQHYKGSDFDCELRLLIHQSLAGGIIGVKG
 AKIKELRENTQTTIKLFQECCHSTDRVVLIGGKPDVVECIKIILDLISESPIKGRAQPYDPNFYDETY
 DYGGFTMMFDDRGRPVGFPMRGRGGFDRMPGRRGRRMPPSRRDYDDMSPRRGPPPPPPGRRGGRGSRA
 RNLPLPPPPPRGGDL MAYDRRGRPGDRYDGMVGFSADETWDSAIDTWPSEWQMA YEPQGGSGYDYSYA
 GGRGSYDGLGGPIITTQVTIPKDLAGSIIGKGGQRIKQIRHESGASIKIDEPLEGSEDRIITITGTQDQI
 QNAQYLLQNSVKQYADVEGF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:
Cloning Scheme:

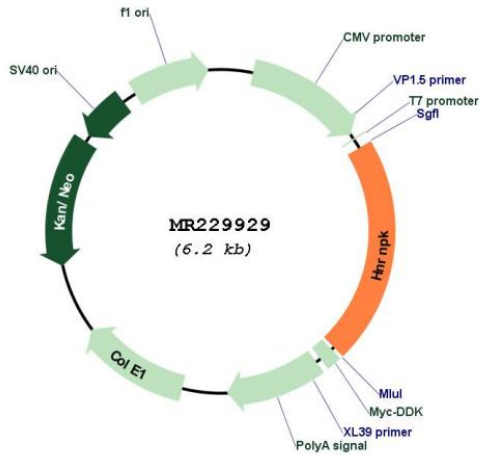
SgfI-MluI

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001301344

ORF Size:	1320 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_001301344.1 , NP_001288273.1
RefSeq Size:	2781 bp
RefSeq ORF:	1323 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]