

Product datasheet for **MG216549**

Hnrnpk (NM_025279) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hnrnpk (NM_025279) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Hnrnpk
Synonyms:	hn; Hnrpk; KBB; KBBP; NOVA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG216549 representing NM_025279
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGACCGAACAGCCAGAAGAAACCTTCCCAACACCGAAACCAATGGTGAATTTGGTAAACGCCTG
 CAGAAGATATGGAAGAGGAGCAAGCCTTTAAAAGATCTAGAAATACTGATGAGATGGTTGAATTGCGCAT
 TTTGCTTCAGAGCAAGAATGCTGGAGCAGTGATTGGAAAAGGAGGCAAGAATATTAAGGCTCTCCGTACA
 GACTACAATGCCAGTGTTTCAGTCCCAGACAGCAGTGGCCCCGAGCGCATACTGAGTATCAGTGTGATA
 TTGAGACGATTGGAGAAATCTGAAGAAAATCATCCCTACCTTGAAGAGGGCCTGCAGTTGCCATCACC
 CACTGCAACCAGCCAGCTCCCGCTCGAATCTGATGCTGTGGAATGCTTAAATTACCAACATTATAAAGGA
 AGTGACTTTGATTGCGAGTTGAGACTGTTGATTCATCAGAGTCTGGCAGGAGGAATAATTGGTGTAAAG
 GTGCTAAAATCAAAGAACTTCGAGAAAACACTCAGACAACAATCAAGCTTTCCAGGAGTCTGCCCTCA
 CTCTACTGACAGAGTTGTTCTTATTGGAGAAAACCTGATAGGGTTGTAGAATGCATCAAGATCATCCTT
 GACCTTATATCTGAGTCTCCCATCAAAGGACGTGCACAACCTTATGATCCCAACTTTTATGATGAGACCT
 ATGATTATGGTGGTTTTACAATGATGTTTGATGACCGCCGAGGACGACCTGTGGGATTTCCCATGAGGGG
 AAGAGGTGGTTTTGACAGAATGCCTCCTGGTCGGGGTGGGCGTCCCATGCCTCCTTCTAGAAGAGATTAT
 GATGATATGAGCCCTCGTCGAGGACCTCCACCACCACCACCTGGTCGAGGTGGCCGGGTGGCAGCAGAG
 CCCGGAATCTGCCTCTTCTCCTCCACCACCACCAGAGGGGGAGATCTAATGGCTTATGACAGAAGAGG
 AAGGCCTGGAGACCGCTATGATGGCATGGTTGGGTTTCAGTGTGATGAACTTGGATTCTGCAATTGAC
 ACATGGAGCCCATCAGAATGGCAAATGGCTTATGAACCACAGGGTGGTTCTGGATATGACTATTCTTATG
 CAGGGGGCCGTGGCTCATATGGTGATCTTGGCGGACCTATTACTACTACACAAGTAACTATCCCAAAGA
 TTTGGCTGGATCTATTATTGGCAAAGGTGGTCAGCGGATTAACAAATTGTCATGAATCTGGAGCATCA
 ATCAAATTTGATGAACCTTTAGAAGGATCTGAAGATCGGATCATTACCATTACAGGAACACAGGACCAGA
 TACAGAACGCACAGTATTTGCTGCAGAACAGTGTGAAGCAGTATTCTGAAAAGTTTTTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG216549 representing NM_025279
 Red=Cloning site Green=Tags(s)

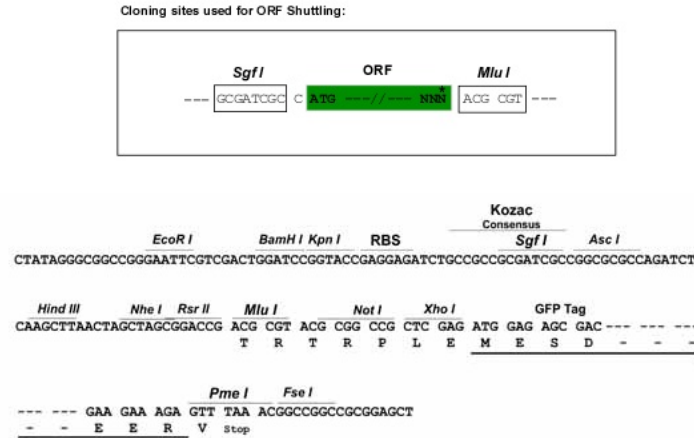
METEQPEETFPNTEFNTEFNGEFGKRPAEDMEEEQAFKRSRNTDEMVELRILLQSKNAGAVIGKGGKNIKALRT
 DYNASVSPDSSGPERILSISADIETIGEILKKIIPTELEGLQLPSPTATSQLPLESDAVECLNYQHKG
 SDFDCELRLLIHQSLAGGIIGVKGAKIKELRENTQTTIKLFQECPPHSTDRVVLIGGKPDVVVEIKIIL
 DLISESPIKGRAQPYDPNFYDETYDYGGFTMMFDDRRGRPVGFPMRGRGGFDRMPPGRGGRMPPSRRDY
 DDMSPRRGPMPMPGRGGRGSRARNLPLPPPPPRGGDLMAADRGRPGDRYDGMVGFSADETWDSAID
 TWSPSEWQMAYEPQGGSGYDYSYAGGRGSYDGLGGPIITTVTIIPKDLAGSIIGKGGQRIKQIRHESGAS
 IKIDEPLEGSEDRIITITGTQDQIQNAQYLLQNSVKQYSKFF

TRTRPLE – GFP Tag – V

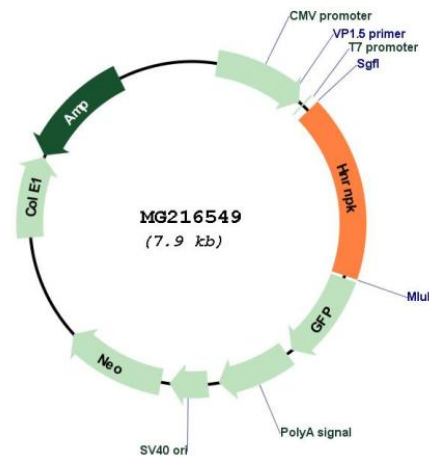
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_025279

ORF Size: 1389 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:	<u>NM_025279.3</u> , <u>NP_079555.1</u>
RefSeq Size:	1978 bp
RefSeq ORF:	1392 bp
Locus ID:	15387
UniProt ID:	<u>P61979</u>
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]