

## Product datasheet for **MR204620**

### Hnrnpa1 (NM\_010447) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hnrnpa1 (NM_010447) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hnrnpa1
Synonyms:	Hdp; HDP-1; hnrnp-A1; hnRNP A1; Hnrpa1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204620 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTCTAAGTCCGAGTCTCCAAGGAGCCAGAACAGCTGCGGAAGCTCTTCATCGGAGGGCTGAGCTTCG  
AAACAACCGACGAGAGTCTGAGGAGCCATTTTGGCAATGGGGAACACTAACAGACTGTGTGTAATGAG  
AGATCCAAACACCAAGAGATCCAGGGGCTTTGGGTTTGTACATATGCCACTGTGGAAGAAGTGGATGCT  
GCCATGAATGCAAGACCACACAAGGTGGATGGAAGAGTTGTGGAACCTAAGAGAGCTGTCTCAAGAGAAG  
ATTCTCAGCGACCAGGTGCCACTTAACGTGAAAAAGATCTTTGTTGGTGGTATTAAGAAGACTGA  
AGAACATCACCTACGAGATTATTTTGGCAGTATGGGAAGATTGAAGTGATAGAAATATGACTGACAGA  
GGCAGTGGGAAAAAGAGGGGCTTTGCTTTTGTACCTTTGATGACCATGACTCTGTGGATAAGATTGTTA  
TTCAGAAATACCACTACTGTGAATGGCCACAACCTGTGAAGTAAGAAAGGCTCTGTGCAAGCAAGAGATGGC  
TAGTGCTTCATCCAGTCAGAGAGGTCGAGTGGTCTGGAACCTTTGGTGGTGGCTGGGAGCGGTTTT  
GGTGGCAATGACAATTTTGGTCGAGGAGGGAACCTCAGTGGTGGTGGTGGCTTTGGTGGCAGCCGTGGT  
GTGGTGGATGGTGGCAGTGGGATGGCTATAATGGATTTGGCAATGATGGAAGCAATTTTGGAGGTGG  
TGAAGCTACAATGATTTTGGCAATACAACAATCAGTCTTCCAATTTTGGGCCGATGAAGGAGGAAAC  
TTTGGAGGCAGGAGCTCTGGCCCTTATGGTGGTGGAGGCCAGTACTTTGCTAAACCACGGAACCAAGGTG  
GCTATGGCGGTTCCAGCAGCAGCAGTAGCTATGGCAGTGGCAGGAGGTTTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR204620 protein sequence  
 Red=Cloning site Green=Tags(s)

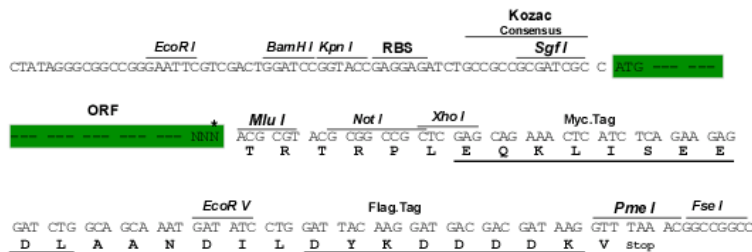
MSKSESPKEPEQLRKLFIGGLSFETTDESLRSHFEQWGLTDCVVMRDPNPKRSRGGFVFVYATVEEVDA  
 AMNARPHKVDGRVVEPKRAVSREDSQRPGAHLTVKKIFVGGIKEDTEEHHLRDYFEQYGKIEVIEIMTDR  
 GSGKKRGFAFVTFDDHDSVDKIVIQKYHTVNGHNCEVRKALSKQEMASASSSQRGRSGGNFGGGRGGGF  
 GGNDNFRGGNFSGRGGFGSRGGGGYGGSDGYNGFGNDGSNFGGGGSYNDFGNYNQSSNFGPMKGGN  
 FGGRSSGPYGGGQYFAKPRNQGGYGGSSSSSYGSGRRF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_010447

**ORF Size:** 963 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:**

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\\_010447.5](#), [NP\\_034577.1](#)

**RefSeq Size:** 1816 bp

**RefSeq ORF:** 963 bp

**Locus ID:** 15382

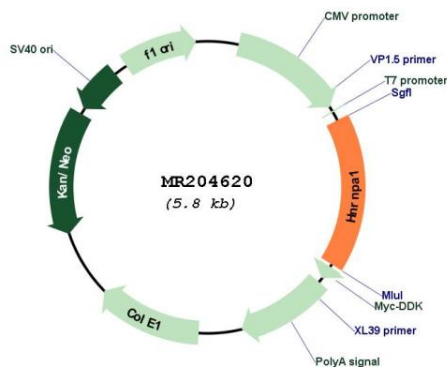
**UniProt ID:** [P49312](#)

**Cytogenetics:** 15 58.58 cM

**MW:** 34.2 kDa

**Gene Summary:** Involved in the packaging of pre-mRNA into hnRNP particles, transport of poly(A) mRNA from the nucleus to the cytoplasm and may modulate splice site selection (By similarity). May bind to specific miRNA hairpins (By similarity).[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR204620