

## Product datasheet for MR205789

### Hnrnpa1 (NM\_001039129) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hnrnpa1 (NM_001039129) 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:	>MR205789 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTCTAAGTCCGAGTCTCCAAGGAGCCAGAACAGCTGCGGAAGCTTTCATCGGAGGGCTGAGCTTCG  
AAACAACCGACGAGAGTCTGAGGAGCCATTTTGGCAATGGGGAACACTAACAGACTGTGTGGAATGAG  
AGATCCAAACACCAAGAGATCCAGGGGCTTTGGGTTTGCACATATGCCACTGTGGAAGAAGTGGATGCT  
GCCATGAATGCAAGACCACACAAGGTGGATGGAAGAGTTGTGGAACCTAAGAGAGCTGTCTCAAGAGAAG  
ATTCTCAGCGACCAGGTGCCACTTAACGTGAAAAAGATCTTTGTTGGTGGTATTAAAGAAGACTGA  
AGAACATCACCTACGAGATTATTTTGGCAGTATGGGAAGATTGAAGTGATAGAAATTATGACTGACAGA  
GGCAGTGGGAAAAAGAGGGGCTTTGCTTTTGTACCTTTGATGACCATGACTCTGTGGATAAGATTGTTA  
TTCAGAAATACCATACTGTGAATGGCCACAACCTGTGAAGTAAGAAAGGCTCTGTGCAAGCAAGAGATGGC  
TAGTGTTCATCCAGTCAGAGAGGTCGAGTGGTCTGGAACCTTTGGTGGTGGTCTGGAGGCGGTTTT  
GGTGGCAATGACAATTTGGTCGAGGAGGGAACCTCAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT  
GTGGTGGATATGGTGGCAGTGGGATGGCTATAATGGATTTGGCAATGATGGTGGTATGGAGGAGGCAG  
CCCTGGTTACTCTGGAGGAAGCAGAGGCTATGGAAGTGGTGGACAGGTTATGGAACCAGGCAGTGGC  
TATGGCGGAGTGGCAGCTATGACAGCTATAACAACGGAGGCGGAGGCGGCTTTGGCGTGGTAGTG  
GAAGCAATTTGGAGGTGGTGGAAAGCTACAATGATTTGGCAATTACAACAATCAGTCTTCCAATTTGG  
GCCGATGAAGGGAGGAACTTTGGAGGCAGGAGCTCTGGCCCTTATGGTGGTGGAGGCCAGTACTTTGCT  
AAACCACGGAACCAAGGTGGCTATGGCGTTCCAGCAGCAGCAGTAGCTATGGCAGTGGCAGGAGTTTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTAA



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**Protein Sequence:** >MR205789 protein sequence  
Red=Cloning site Green=Tags(s)

MSKSESPKEPEQLRKLFIGGLSFETTDESLRSHFEQWGLTDCVVMRDPNPKRSRGGFVITYATVEEVDA  
 AMNARPHKVDGRVVEPKRAVSREDSQRPGAHLTVKKIFVGGIKEDTEHHLRDYFEQYGKIEVIEIMTDR  
 GSGKKRGFAFVTFDDHDSVDKIVIQKYHTVNGHNCEVRKALSKQEMASASSSQRGRSGSGNFGGGRGGGF  
 GGNDNFGRGGNFSGRGGFGGSRGGGGYGGSDGYNGFGNDGGYGGGSPGYSGGSRGYSGGQGYGNQSG  
 YGSGSYDSYNNGGGGGGFGGGGSNFGGGGSYNDFGNYNNQSSNFGPMKGGNFGGRSSGPYGGGQYFA  
 KPRNQGGYGGSSSSSSSYGSGRRF

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\_001039129

**ORF Size:** 1122 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\\_001039129.4](#), [NP\\_001034218.1](#)

**RefSeq Size:** 1975 bp

**RefSeq ORF:** 1122 bp

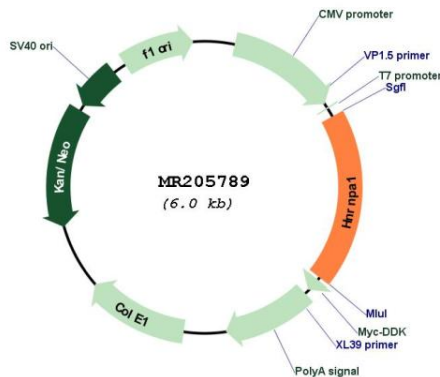
**Locus ID:** 15382

**Cytogenetics:** 15 58.58 cM

**MW:** 38.8 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 MR205789