

## Product datasheet for **MG205769**

### Hnrpa1 (BC089340) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hnrpa1 (BC089340) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Hnrpa1
Synonyms:	Hdp; HDP-1; hnrnp-A1; hnRNP A1; Hnrpa1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205769 representing BC089340 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCTAAGTCCGAGTCTCCAAGGAGCCAGAACAGCTGCGGAAGCTCTTCATCGGAGGGCTGAGCTTCG  
AAACAACCGACGAGAGTCTGAGGAGCCATTTTGAGCAATGGGGAACACTAACAGACTGTGTGGAATGAG  
AGATCCAAACACCAAGAGATCCAGGGGCTTTGGGTTTGTACATATGCCACTGTGGAAGAAGTGGATGCT  
GCCATGAATGCAAGACCACACAAGGTGGATGGAAGAGTTGTGGAACCTAAGAGAGCTGTCTCAAGAGAAG  
ATTCTCAGCGACCAGGTGCCACTTAAGTGTGAAAAGATCTTTGTTGGTGGTATTAAGAAGACTGA  
AGAACATCACCTACGAGATTATTTTGAGCAGTATGGGAAGATTGAAGTGATAGAAATTATGACTGACAGA  
GGCAGTGGGAAAAAGAGGGGCTTTGCTTTTGTACCTTTGATGACCATGACTCTGTGGATAAGATTGTTA  
TTCAGAAATACCATACTGTGAATGGCCACAAGTGAAGTAAGAAAGGCTCTGTGCAAGCAAGAGATGGC  
TAGTGTTCATCCAGTCAGAGAGGTCGAGTGGTCTGGAACCTTTGGTGGTGGTCTGGAGGCGGTTTT  
GGTGGCAATGACAATTTGGTCGAGGAGGGAACCTCAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT  
GTGGTGGATATGGTGGCAGTGGGATGGCTATAATGGATTTGGCAATGATGGTGGTATGGAGGAGGCAG  
CCCTGGTTACTCTGGAGGAAGCAGAGGCTATGGAAGTGGTGGACAGGGTTATGGAACCAGGCAGTGCC  
TATGGCGGAGTGGCAGCTATGACAGCTATAACAACGGAGGCGGAGGCGGCTTTGGCGGTGGTAGTG  
GAAGCAATTTGGAGGTGGTGGAAAGCTACAATGATTTGGCAATTACAACAATCAGTCTTCCAATTTTGG  
GCCGATGAAGGGAGGAACTTTGGAGGCAGGAGCTCTGGCCCTTATGGTGGTGGAGGCCAGTACTTTGCT  
AAACCACGGAACCAAGGTGGCTATGGCGTTCCAGCAGCAGCAGTAGCTATGGCAGTGGCAGGAGTTTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG205769 representing BC089340  
 Red=Cloning site Green=Tags(s)

```
MSKSESPKEPEQLRKLFIGGLSFETTDESLRSHFEQWGLTDCVVMRDPNPKRSRGGFVFTYATVEEVDA
AMNARPHKVDGRVVEPKRAVSREDSQRPGAHLTVKKIFVGGIKEDTEHHLRDYFEQYGKIEVIEIMTDR
GSGKKRGFAFVTFDDHDSVDKIVIQKYHTVNGHNCEVRKALSKQEMASASSSQRGRSGSGNFGGGRGGGF
GGNDNFRGRGNFSGRGGFGGSRGGGGYGGSDGYNGFGNDGGYGGGSPGYSGGSRGYSGGGQYGNQSGS
YGGSGSYDSYNNGGGGGGFGGGSGSNFGGGGSYNDFGNYNQSSNFGPMKGGNFGRSSGPYGGGGQYFA
KPRNQGGYGGSSSSSSYSGRRF
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** BC089340

**ORF Size:** 1119 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:** [BC089340.1](#)

**RefSeq Size:** 1891 bp

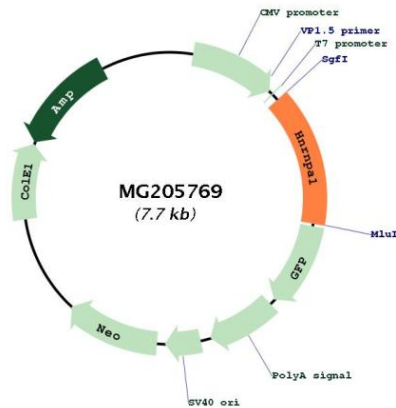
**RefSeq ORF:** 1121 bp

**Locus ID:** 15382

**Cytogenetics:** 15 58.58 cM

**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 MG205769