

## Product datasheet for **MG216979**

### Hnrnpa3 (NM\_053263) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hnrnpa3 (NM_053263) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Hnrnpa3
Synonyms:	2410013L13Rik; 2610209F03Rik; 2610510D13Rik; Hnrpa3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG216979 representing NM_053263 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGGGCCATGATCCAAAGGAACAGAGCAGCTGAGGAAGCTATTTATTGGTGGTCTGAGCTTTGAAA  
CCACAGATGATAGCTTAAGAGAACATTTTGAGAAATGGGCACACTTACAGACTGTGTGGTAATGAGAGA  
TCCCCAAACAAAACGTTCCAGAGGCTTTGGTTTTGTGACCTACTTGTGTTGAAGAGGTGGATGCTGCA  
ATGTGTGCTCGGCCACACAAGGTTGATGGCGTGTGGTGAACCAAGAGAGCTGTTCTAGAGAGGATT  
CTGTAAGCCTGGTGCCATTTAACGGTGAAGAAAATTTTGTGGTGGTATTAAGAGGATACGGAAGA  
ATATAACCTGAGAGACTACTTTGAAAAGTATGGCAAGATTGAAACCATAGAGGTTATGGAAGACAGGCAG  
AGTGGGAAAAAGAGAGGATTTGCTTTTGTAACTTTTGTGATCATGACACAGTTGATAAAATTTGTTGTC  
AGAAATACCACACTATTAATGGGCATAATTGTGAAGTAAAAAGGCCCTTTCTAAACAAGAGATGCAGTC  
TGCTGGATCACAGAGAGGTCGTGGAGGTGGATCTGGCACTTTATGGGTCGTGGAGGAACTTTGGAGGT  
GGTGGAGGAACTTTGGTCGTGGAGGAACTTTGGTGAAGAGGTGGCTATGGTGGTGGAGGTGGTGGCA  
GCAGAGGTAGTTATGGAGGTGGTATGGTGGATATAATGGATTTGGAGGTGATGGTGGCACTATGGTGG  
TGGTCTGGTTACAGCAGTAGAGGAGGTTATGGAGGTGGTGGACCAGGATATGGAACCAAGGTTGGTGA  
TATGGTGGTGGAGGAGGCTATGATGGTTACAATGAAGGAGGAAATTTGGTGGAGGTAACATATGGT  
GTGGTGGAACTATAATGACTTTGGAAATTATAGTGGACAGCAACAATCAAATTATGGACCATGAAGGG  
GGCAGTTTTGGTGAAGAAGCTCAGGCAGTCCCTATGGTGGTGGCTATGGATCTGGAGGTGGAAGTGGT  
GGATATGGTAGCAGAAGTTTT

**ACGGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG216979 representing NM\_053263  
 Red=Cloning site Green=Tags(s)

MEGHDPKEPEQLRKLFIGGLSFETDDSLREHFEKWGTLTDCVVMRDPQTKRSRGGFVTVYSCVEEVDAAMCARPHKVDGRVVEPKRAVSREDSVKPGAHLTVKKIFVGGIKEDTEEYNLRDYFEKYGKIETIEVMEDRQSGKKRGF AFVTFDDHDTVDKIVVQKYHTINGHNCEVKKALSKQEMQSAGSQRGRGGGSGNFMGRGGNFGGGGNFGRRGNFGRGGYGGGGGSRGSYGGDGGYNGFGDGGNYGGGPGYSSRGGYGGGGPGYGNQGGGYGGGGGYYDGYNEGNGFGGGNYGGGNYNDFGNYSQQQSNYGPMMKGSFGGRSSGSPYGGYGSGGSGGYGSRRF

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_053263

**ORF Size:** 1071 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\\_053263.1](#), [NP\\_444493.1](#)

**RefSeq Size:** 5176 bp

**RefSeq ORF:** 1074 bp

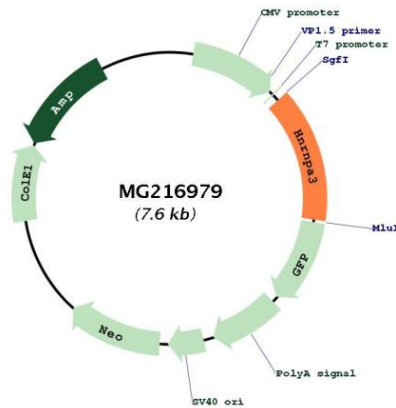
**Locus ID:** 229279

**UniProt ID:** [Q8BG05](#)

**Cytogenetics:** 2 C3

**Gene Summary:** Plays a role in cytoplasmic trafficking of RNA. Binds to the cis-acting response element, A2RE. May be involved in pre-mRNA splicing (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG216979