

## Product datasheet for **RR200294**

### Hnrnpd (NM\_024404) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Hnrnpd (NM\_024404) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Hnrnpd  
**Synonyms:** Auf1; Hnrpd  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RR200294 representing NM\_024404  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGTCGGAGGAGCAGTTCGGAGGGGACGGGGCGGCGCGGCAACGGCGGCGGTAGGCGGCTCGGCGG  
GCGAGCAGGAGGGAGCCATGGTGGCGGCGCGCAGGGGGCAGCGGCGGCGGGAAGCGGGAGCGGCGG  
CGGCTCTCGCCCGGAGGCACCGAAGGAGGCAGCACCGAGGCAGAGGGAGCGAAGATCGACGCCAGTAAG  
AATGAGGAGGATGAAGGCCATTCAAACTCTCCCACGACACACTGAAGCAGCGACGGCACAGCGGGAAG  
AATGGAAAATGTTTATAGGAGGCCTTAGCTGGGACACCACAAAGAAAGACCTGAAGGACTACTTTTCCAA  
ATTTGGGGACGTTGTAGACTGCACTCTGAAGTTAGATCCTATCACAGGGCGATCAAGGGTTTTGGCTTT  
GTGCTATTTAAAGAGTCGGAGAGTGTAGATAAGGTCATGGATCAGAAAAGAACATAAATTGAATGGAAAAG  
TCATTGATCCTAAAAGGGCCAAAGCCATGAAAACAAAAGAGCCCGTCAAAAAATTTTTGTTGGTGGCCT  
TTCTCCAGACACACCTGAAGAAAAATAAGAGAGTACTTTGGTGGTTTTGGTGGAGTTGAATCCATAGAG  
CTGCCTATGGACAACAAGACCAATAAGAGGCGTGGGTTCTGTTTCATTACCTTTAAGGAAGAGGAACCG  
TGAAGAAGATAATGGAGAAGAAATACCACAATGTTGGTCTTAGTAAATGTGAAATAAAAGTAGCCATGTC  
GAAGGAGCAGTATCAGCAGCAGCAGCAGTGGGGATCTAGAGGAGGGTTTCAGGAAGAGCTCGCGGAAGA  
GGCGGTGGCCCCAGTCAAACCTGGAACCCAGGGATATAGTAACTATTGGAACCAAGGCTATGGCAGCTATG  
GATATAACAGCCAAGGGTACGGTGGTTATGGAGGATATGACTACACTGGTTACAACAGCTACTATGGATA  
TGGTACTATAGCAATCAGCAGAGTGGTTATGGGAAAGTATCCAGACGAGGTGGTATCAAATAGCTAC  
AAACCATAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR200294 representing NM\_024404  
 Red=Cloning site Green=Tags(s)

MSEEQFGGDGAAAAATAAVGGSAGEQEGAMVAAAQAAAAAGSGSGGGSAPGGTEGGSTEAEAGAKIDASK  
 NEEDEGHSSNSPRHTEAATAQREEWKMF IGGLSWDTTKDLKDYFSKFGDVVDCTLKLDPITGRSRGFGF  
 VLFKESSEVDKVMQKEHKLNGKVIDPKRAKAMKTKPEVKKIFVGGSPDTPEEKIREYFGGFGEVESIE  
 LPMDNKTNKRGRFCFITFKEEEPVKKIMEKKYHNVGLSKCEIKVAMSKEQYQQQQWGSRGGFAGRARGR  
 GGGPSQNWQGYSNYWNQGYGSYGYNSQYGGYGGYDYGYNYYGYGDYSNQSGYGVSRGGHQNSY  
 KPY

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\_024404

**ORF Size:** 1059 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\\_024404.2](#), [NP\\_077380.2](#)

**RefSeq Size:** 1718 bp

**RefSeq ORF:** 1062 bp

**Locus ID:** 79256

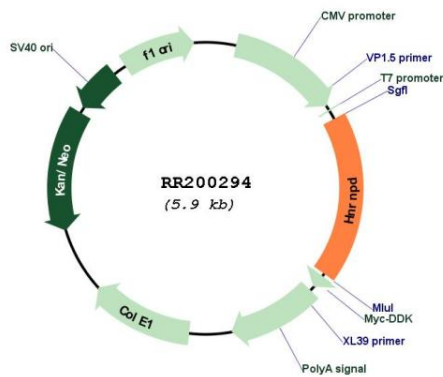
**UniProt ID:** [Q9JJ54](#)

**Cytogenetics:** 14p22

**MW:** 38.2 kDa

**Gene Summary:** mouse homolog is an RNA binding protein that binds A+U-rich elements [RGD, Feb 2006]

**Product images:**



Circular map for RR200294