

## Product datasheet for MR226336

### Hnrnpab (NM\_010448) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hnrnpab (NM_010448) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hnrnpab
Synonyms:	3010025C11Rik; CBF-A; Cgbfa; Hnrpab
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR226336 representing NM_010448 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTCGGACGCGGCTGAGGAGCAGCCCATGGAGACGACGGGCGCCACCGAGAACGGACACGAGGCCGCC  
CCGAAGGCGAGGCCCGGTGAGCCAGCGCGGCTGCCGCGGCCCGCGGCCTCGGCCGGGTCTGGGG  
CGGGACCACGACCGCACCAGCGGGAACGAGACGGCGGGAGGGCGACCAGATCAACGCCAGCAAGAAC  
GAGGAGGACGCGGAAAAATGTTTCGTTGGTGGTCTGAGCTGGGATACCAGCAAAAAAGACTTAAAGGATT  
ATTTTACTAAGTTTGGAGAGTTGTTGACTGTACAATAAAAAATGGATCCCAACACTGGACGATCAAGAGG  
GTTTGGGTTTATTCTCTTCAAAGATTCTTCTAGTGTGAAAAGGTCTTAGATCAGAAGGAGCACAGGCTG  
GATGGTCGTGTCATTGACCTAAAAAGGCTATGGCTATGAAGAAGGACCTGTGAAGAAAAATCTTTGTGG  
GAGGTCTAAACCCTGAAGCCACAGAGGAAAAGATCAGAGAATACTTCGGCCAGTTTGGGGAGATTGAGGC  
CATTGAGCTTCCAATAGATCCCAAGTTGAACAAAAGACGGGGTTTTGTTTTATTACATTTAAAGAGGAA  
GATCCTGTGAAGAAAGTTCTGGAGAAGAAATTCATACTGTCAGTGAAGCAAGTGTGAAATCAAGGTTG  
CCCAGCCAAAGAGGTGTATCAGCAACAGCAGTATGGCTCTGGGGCAGAGGAAATCGCAATCGAGGGAA  
CCGAGGCAGTGGTGGAGGTCAGGAGTACAAAATTACGGAAAGAGCCAGCGACGTGGTGGTCATCAGAAT  
AACTACAAGCCATAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR226336 representing NM\_010448  
Red=Cloning site Green=Tags(s)

```
MSDAEEQPMETTATENGHEAAPEGEAPVEPSAAAAAPAASAGSGGGTTTAPSGNQNGAEGDQINASKN
EEDAGKMFVGGLSWDTSKKDLKDYFTKFGVVDCTIKMPNTGRSRGFGFIFKDSVVVEKVLQKEHRL
DGRVIDPKKAMAMKKDPVKKIFVGLNPEATEEKIREYFGQFGEIEAIELPIDPKLNKRRGFVFITFKEE
DPVKKVLEKKFHTVSGSKCEIKVAQPKEVYQQQYVSGGGRNRRNRRGSGGGQGSTNYGKSRRRGGHQ
NYKPY
```

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\_010448

**ORF Size:** 855 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\\_010448.3](#), [NP\\_034578.1](#)

**RefSeq Size:** 2404 bp

**RefSeq ORF:** 858 bp

**Locus ID:** 15384

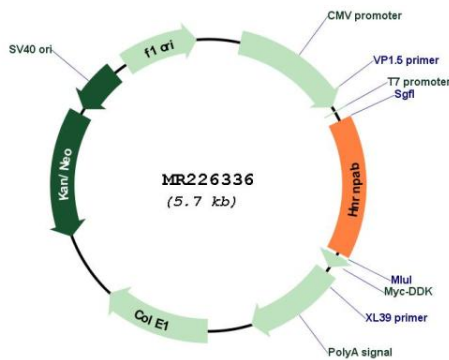
**UniProt ID:** [Q99020](#)

**Cytogenetics:** 11 B1.3

**MW:** 31.3 kDa

**Gene Summary:** This gene encodes a protein with consensus RNA binding domains present in a number of other RNA binding proteins and a glycine-rich C-terminus. This gene overlaps in a tail-to-tail orientation the gene encoding alanine-glyoxylate aminotransferase 2-like 2. Some of the exons of this gene are interspersed with exons of alanine-glyoxylate aminotransferase 2-like 2. Two alternatively spliced transcript variants that encode distinct proteins have been described for this gene. [provided by RefSeq, Jul 2008]

**Product images:**



Circular map for MR226336