

## Product datasheet for **MR222599**

### **Hnf1b (NM\_009330) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Hnf1b (NM_009330) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hnf1b
Synonyms:	HNF-1-beta; HNF-1B; HNF-1Beta; Hnf1beta; LFB3; Tcf-2; Tcf2; vHNF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR222599 representing NM\_009330  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGTGTCCAAGCTCACGTCGCTCCAGCAAGAACTCCTGAGTGCCCTGCTGAGCTCCGGAGTACCAAGG  
 AAGTGCTGATCCAGGCCTTGGAGGAGTTACTGCCGTCCCGAATTTCCGGGTGAAGCTGGAGACTGCC  
 CCTGTCCCCGGGAGCGGGCGGATCTCGACACCAAGCCGGTTTTCCATACTCTACCAATGGCCACGCC  
 AAGGGCCGCTTGTCTGGGACGAGGGCTCAGAGGACGGCGACTATGACACTCTCCCATCTCAAAG  
 AGCTCCAGGCGCTCAACACCGAGGAGGCCGGAGCAGCGGGCCGAGGTGGACCGGATGCTCAGCGAGGA  
 CCCGTGGAGGGTGC AAAATGATCAAGGGATACATGCAACAGCACAATATCCCCAGAGGGAGGTGGTC  
 GATGTCACAGGCCTGAACCAATCCCACCTCTCAACACCTCAACAAGGGCACCCCATGAAGACCCAGA  
 AGAGAGCTGCCCTGTACACTTGGTACGTCAGAAAGCAACGGGAGATCCTCCGACAGTTCAACCAGACAGT  
 CCAGAGCTCTGGAACATGACAGACAAAAGCAGTCAGGATCAGCTGCTGTTTCTTTCCAGAGTTCAGT  
 CAACAGAACAGGGCCCTGGGCAGTCGGAGGACACCTGCTCCGAGCCACCAACAAGAAGATGCGCCGCA  
 ACCGGTTTAAATGGGGGCCCGCATCCCAGCAAATTTTGTACCAGGCCTACGACCGCAAAAAGAATCCAG  
 CAAGGAAGAGAGGGAGGCCTTAGTGGAGGAGTGTAAACAGGGCAGAATGTTTGCAACGAGGGGTCTCCCT  
 TCCAAAGCCCACGGCCTAGGCTCCAACCTGGTACGGAGGTCCGTGCTACAACCTGGTTCGCAAACCGCC  
 GGAAGGAAGAGGGCGTTACAGCAGAAGCTGGCCATGGATGCCTATAGTCCAACAGACGCACAACCTGAA  
 CCCCTGCTCACCATGGCTCCCCTACCATCAGCAAGCTCCTCCACCCAACAAGATGTCAGGAGTG  
 CGCTACAACAGCCGGGAAACAATGAGGTCACTTCCTCTCGACAATCAGTCACCATGGTAAACAGTGCCA  
 TGGTGACCAGCCAGTCGGTTTTACAGCAAGTCTCCCAGCCAGCCTGGACCCAGGCCACAGTCTCCTCTC  
 ACCTGACAGTAAAATGCAGATCACAGTGTCCGGAGGAGGACTGCCTCCCGTCAGCACCTTGACGAATATC  
 CACAGCCTCTCCACCAACAATCCCAGCAATCTCAGAACCTCATCATGACCCCTGTCTGGAGTATGG  
 CCATTGCACAGAGCCTCAACACCTCCAAAGCCAGGGTGTCCCGGCATTAACAGTGTGGCTAGCAGCCT  
 GGCAGCCCTACAGCCCGTCCAGTCTCTCAACAGCTGCACAGCCCTACCAGCAGCCCTCATGCAGCAG  
 AGCCCAGGCAGTCACATGGCCAGCAGCCCTCATGGCCGCGGTGACTCAGCTACAGAACTCCACATGT  
 ATGCACATAAGCAGGAACCCCCCAGTATCCACACCTCCCGGTCCCCTGCAATGGTGGTACAGAG  
 TACCAGTAGCATCAACTCTCACCAGCATGTCTCCAGTAAACAGTGTCCACTGCAAGCCTGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR222599 representing NM\_009330  
 Red=Cloning site Green=Tags(s)

MVSKLTSLQQEELLSALLSSGVTKEVLIQALEELLSPNFGVKLETPLSPGSGADLDTKPVFHTLTNGHA  
 KGRLSGDEGSEDGDDYDTPPILKELQALNTEEAEEQRAEVDRLSEDPWRAAKMIKGYMQHNIPQREV  
 DVTGLNQSHLSQHLNKGTPMKTQKRAALYTWYVRKQREILRQFNQTVQSSGNMTDKSSQDQLLFLFPEFS  
 QQNQPGQSEDTCEPTNKKMRRNRFKWGPASQQILYQAYDRQKNPSKEEREALVEECNRAECLQRGVSP  
 SKAHGLGSLNLTVEVRVYNWFANRRKEEAFRQKLAMDAYSNNQTHLNPLLTGSPHHQPSSSPPNKMMSGV  
 RYNQPGNNEVTSSTISHHGNSAMVTSQSVLQQVSPASLDPGHLLSPDSKMQITVSGGGLPPVSTLTNI  
 HSLSHHNPQQSQNLIMTPLSGVMAIAQSLNLSQAQGVVINSVASSLAALQPVPVSOQLHSPHQQLMQ  
 SPGSHMAQQPFMAAVTQLQNSHMYAHKQEPQYSHTSRFPVSAMVVTDTSINTLTSMSSSKQCPLQAW

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/ja1165\\_d09.zip](https://cdn.origene.com/chromatograms/ja1165_d09.zip)

**Restriction Sites:**

Sgfl-Mlul

## Cloning Scheme:



ACCN: NM\_009330

ORF Size: 1674 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\\_009330.3](#), [NP\\_033356.2](#)

RefSeq Size: 2742 bp

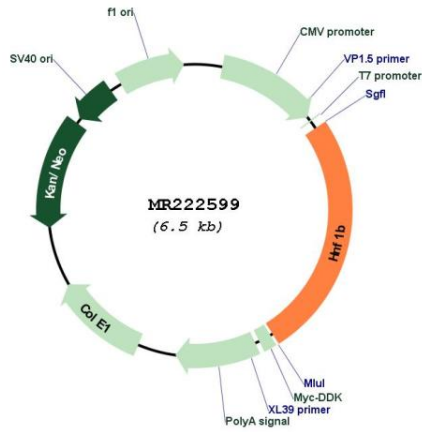
RefSeq ORF: 1677 bp

Locus ID: 21410

UniProt ID: [P27889](#)

**Cytogenetics:** 11 51.23 cM  
**MW:** 62 kDa  
**Gene Summary:** Transcription factor, probably binds to the inverted palindrome 5'-GTTAATNATTAAC-3'.  
 [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR222599