

## Product datasheet for **MC228202**

### **Hnf1b (NM\_001291268) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Hnf1b (NM_001291268) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hnf1b
Synonyms:	HNF-1-beta; HNF-1B; HNF-1Beta; Hnf1beta; LFB3; Tcf-2; Tcf2; vHNF1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC228202 representing NM\_001291268  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGTGTCCAAGCTCACGTCGCTCCAGCAAGAAGCTCCTGAGTGCCCTGCTGAGCTCCGGAGTACCAAGG  
 AAGTGCTGATCCAGGCCTTGGAGGAGTTACTGCCGTCCCCGAATTCGGGGTGAAGCTGGAGACTGCC  
 CCTGTCCCCGGGAGCGGGCGGATCTCGACACCAAGCCGGTTTTCCATACTCTACCAATGGCCACGCC  
 AAGGGCCGCTTGTCTGGGACGAGGGCTCAGAGGACGGCGACTATGACTCTCTCCATCTCAAAG  
 AGCTCCAGGCGCTCAACACCGAGGAGGCCGCGGAGCAGCGGGCCGAGGTGGACCGGATGCTCAGCGAGGA  
 CCCGTGGAGGGTGC AAAATGATCAAGGGATACATGCAACAGCACAATATCCCCAGAGGGAGGTGGTC  
 GATGTCACAGGCCTGAACCAATCCACCTCTCTCAACACCTCAACAAGGGCACCCCATGAAGACCCAGA  
 AGAGAGCTGCCCTGTACACTTGGTACGTCAGAAAGCAACGGGAGATCCTCCGACAGTTCACTCAACAGAA  
 CCAGGGGCTGGGAGTCCGAGGACACCTGCTCCGAGCCACCAACAAGAAGATGCGCCGCAACCGGTTT  
 AAATGGGGGCCCGCATCCAGCAAATTTGTACCAGGCCACGACCGGCAAAAAGAATCCCAGCAAGGAAG  
 AGAGGGAGGCCTTAGTGGAGGAGTGAACAGGGCAGAATGTTTGAACGAGGGGTCTCCCTTCCAAAGC  
 CCACGGCTTAGGCTCAAACCTTGGTACGAGGAGTCCGTGTCTACAACCTGGTTCGAAAACCGCCGGAAGGA  
 GAGGCGTTCAGGCAGAAGCTGGCCATGGATGCCTATAGCTCCAACAGACGCACAACCTGAACCCCTGC  
 TCACCCATGGCTCCCCTACCATCAGCCAAGCTCCTCTCCACCAACAAGATGTCAGGAGTGCCTACAA  
 CCAGCCGGAAACAATGAGGTCACCTTCTCTCGACAATCAGTACCATGGTAACAGTGCATGGTGACC  
 AGCCAGTCGGTTTTACAGCAAGTCTCCCCAGCCAGCCTGGACCCAGGCCACAGTCTCTCTCACCTGACA  
 GTAAAATGCAGATCACAGTGTCCGGAGGAGGACTGCCTCCGTCAGCACCTTGACGAATATCCACATGCT  
 CTCCACCAACAATCCCCAGCAATCTCAGAACCTCATCATGACCCCTGTCTGGAGTCATGGCCATTGCA  
 CAGAGCCTCAACACCTCCAAGCCAGGGTGTCCCGTCAATTAACAGTGTGGCTAGCAGCCTGGCAGCCC  
 TACAGCCCGTCCAGTTCTCTCAACAGCTGCACAGCCCTCACCAGCAGCCCTCATGCAGCAGAGCCAGG  
 CAGTCACATGGCCAGCAGCCCTTATGGCCGCGGTGACTCAGCTACAGAACTCCACATGTATGCACAT  
 AAGCAGGAACCCCCCAGTATCCACACCTCCCGTTCCCATCTGCAATGGTGGTCACAGATACCAGTA  
 GCATCAACACTCTCACCAGCATGTCTCCAGTAAACAGTGTCCACTGCAAGCCTGG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001291268

**Insert Size:** 1599 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

**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\\_001291268.1](#), [NP\\_001278197.1](#)

**RefSeq Size:** 2765 bp

**RefSeq ORF:** 1599 bp

**Locus ID:** 21410

**UniProt ID:** [P27889](#)

**Cytogenetics:** 11 51.23 cM

**Gene Summary:** Transcription factor, probably binds to the inverted palindrome 5'-GTTAATNATTAAC-3'.  
[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) uses an alternate splice site in the central coding region, compared to variant 1. The encoded isoform (2) is shorter, compared to isoform 1.