

## Product datasheet for **MR230413**

### **Hnf1b (NM\_001291268) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Hnf1b (NM_001291268) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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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**ORF Nucleotide Sequence:**

>MR230413 representing NM\_001291268  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGTGTCCAAGCTCACGTCGCTCCAGCAAGAACTCCTGAGTGCCCTGCTGAGCTCCGGAGTACCAAGG  
 AAGTGCTGATCCAGGCCTTGGAGGAGTTACTGCCGTCCCCGAATTCGGGGTGAAGCTGGAGACTGACC  
 CCTGTCCCCGGGAGCGGGCGGATCTCGACACCAAGCCGGTTTTCCATACTCTACCAATGGCCACGCC  
 AAGGGCCGCTTGTCTGGGACGAGGGCTCAGAGGACGGCGACTATGACACTCCTCCCATCTCAAAG  
 AGCTCCAGGCGCTCAACACCGAGGAGGCCGCGGAGCAGCGGGCCGAGGTGGACCGGATGCTCAGCGAGGA  
 CCCGTGGAGGGCTGCCAAAATGATCAAGGGATACATGCAACAGCACAATATCCCCAGAGGGAGGTGGTC  
 GATGTCACAGGCCTGAACCAATCCCACCTCTCAACACCTCAACAAGGGCACCCCATGAAGACCCAGA  
 AGAGAGCTGCCCTGTACACTTGGTACGTCAGAAAGCAACGGGAGATCCTCCGACAGTTCACTCAACAGAA  
 CCAGGGGCTGGGAGTCCGAGGACACCTGCTCCGAGCCACCAACAAGAAGATGCGCCGAACCCGTTT  
 AAATGGGGGCCCGCATCCAGCAAATTTGTACAGGCCTACGACCGGCAAAAAGAATCCCAGCAAGGAAG  
 AGAGGGAGGCCTTAGTGGAGGAGTGAACAGGGCAGAATGTTTGAACGAGGGGTCTCCCTTCCAAAGC  
 CCACGGCTTAGGCTCAAATTGGTACGAGGAGTCCGTGTCTAACAAGTGGTTCGAAAACCGCCGGAAGGAA  
 GAGGCGTTCAGGCAGAAGCTGGCCATGGATGCCTATAGCTCCAACAGACGCACAACCTGAACCCCTGC  
 TCACCCATGGCTCCCCTCACCATCAGCCAAAGTCTCTCCACCCAACAAGATGTCAGGAGTGCCTACAA  
 CCAGCCGGGAAACAATGAGGTCACCTTCTCTTCGACAATCAGTACCATGGTAACAGTGCATGGTGACC  
 AGCCATCGGTTTTACAGCAAGTCTCCCAGCCAGCCTGGACCCAGGCCACAGTCTCCTCTCACCTGACA  
 GTAAAATGCAGATCACAGTGTCCGGAGGAGGACTGCCTCCGTCAGCACCTTGACGAATATCCACAGCT  
 CTCCACCAACAATCCCCAGCAAATCTCAGAACCTCATCATGACCCCTGTCTGGAGTCATGGCCATTGCA  
 CAGAGCCTCAACACCTCCAAGCCAGGGTGTCCCGTCAATAACAGTGTGGCTAGCAGCCTGGCAGCCC  
 TACAGCCCGTCCAGTTCTCTCAACAGCTGCACAGCCCTCACCAGCAGCCCTCATGCAGCAGAGCCAGG  
 CAGTCACATGGCCAGCAGCCCTTATGGCCGCGGTGACTCAGCTACAGAACTCCACATGTATGCACAT  
 AAGCAGGAACCCCCCAGTATCCACACCTCCCGTTCCCATCTGCAATGGTGGTCACAGATACCAGTA  
 GCATCAACACTCTCACCAGCATGTCTCCAGTAAACAGTGTCCACTGCAAGCCTGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR230413 representing NM\_001291268  
 Red=Cloning site Green=Tags(s)

MVSKLTSLQQELLSALLSSGVTKEVLIQALEELLPSNFGVKLETPLSPGSGADLTKPVFHTLTNGHA  
 KGRLSGDEGSEDGDDYDTPPILKELQALNTEAAEQRAEVDRLSEDPWRAAKMIKGYMQQHNIPQREV  
 DVTGLNQSHLSQHLNKGTPMKTKRAALYTWYVRKQREILRQFSQQNQGGQSEDTCSPTNKKMRRNRF  
 KWGPASQQILYQAYDRQKNPSKEEREALVEECNRAECLQRGVSPSKAHGLGSLNLTVEVRVYNWFANRRKE  
 EAFRQKLAMDAYSNNQTHLNPLLTGSPHHQPSPPNKMMSGVRYNQPGNNEVTSSTISHHGNSAMVT  
 SQSVLQQVSPASLDPGHSLSPDSKMQITVSGGGLPPVSTLTNIHSLSHHNPQQSQNLIMTPLSGVMAIA  
 QSLNLSQAQGVPIINSVASSLAALQPVQFSQQLHSPHQPLMQSPGSHMAQQPFMAAVTQLQNSHMYAH  
 KQEPQYSHTSRFPSAMVVDTSSINTLTSMSKQCPLQAW

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI



<b>ACCN:</b>	NM_001291268
<b>ORF Size:</b>	1596 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001291268.1</a> , <a href="#">NP_001278197.1</a>
<b>RefSeq Size:</b>	2765 bp
<b>RefSeq ORF:</b>	1599 bp
<b>Locus ID:</b>	21410
<b>UniProt ID:</b>	<a href="#">P27889</a>
<b>Cytogenetics:</b>	11 51.23 cM
<b>MW:</b>	59.1 kDa
<b>Gene Summary:</b>	Transcription factor, probably binds to the inverted palindrome 5'-GTTAATNATTAAC-3'. [UniProtKB/Swiss-Prot Function]