

## Product datasheet for MR229896

### Hnf1b (NM\_001291269) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hnf1b (NM_001291269) 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
ORF Nucleotide Sequence:	>MR229896 representing NM_001291269 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGATCAAGGGATACATGCAACAGCACAATATCCCCAGAGGGAGGTGGTCGATGTCACAGGCCTGAACC  
AATCCCACCTCTCTCAACACCTCAACAAGGGCACCCCCATGAAGACCCAGAAGAGAGCTGCCTGTACAC  
TTGGTACGTGAGAAAGCAACGGGAGATCCTCCGACAGTTCAACCAGACAGTCCAGAGCTCTGGAAACATG  
ACAGACAAAAGCAGTCAGGATCAGCTGCTGTTTCTTTCCAGAGTTCAGTCAACAGAACCAGGGGCGCTG  
GGCAGTCGGAGGACACCTGCTCCGAGCCCAACAAGAAGATGCGCCGCAACCGGTTTAAATGGGGGCC  
CGCATCCCAGCAAATTTGTACCAGGCCTACGACCGGCAAAAAGAAATCCCAGCAAGGAAGAGAGGGAGGCC  
TTAGTGGAGGAGTGTAACAGGGCAGAAATGTTTGAACGAGGGGTCTCCCTTCCAAGCCACGGCCTAG  
GCTCCAATTGGTCACGGAGGTCCGTGTCTAACAAGTGGTTCGAAACCGCCGGAAGGAAGAGGGCCTCAG  
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CAGTTCTCTCAACAGCTGCACAGCCCTACCAGCAGCCCTCATGCAGCAGAGCCAGGCAGTCACATGG  
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CCCCAGTATCCACACCTCCCGTTCATCTGCAATGGTGGTCACAGATACCAGTAGCATCAACACT  
CTCACCAGCATGTCTCCAGTAAACAGTGTCCACTGCAAGCCTGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >MR229896 representing NM\_001291269  
 Red=Cloning site Green=Tags(s)

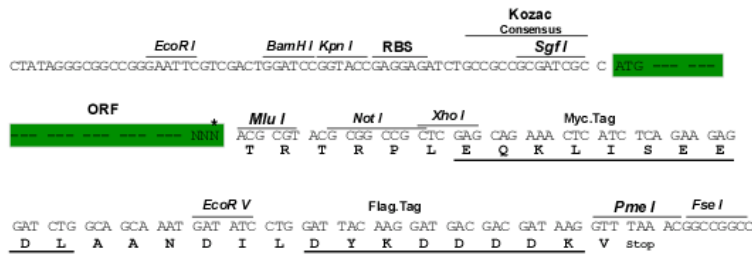
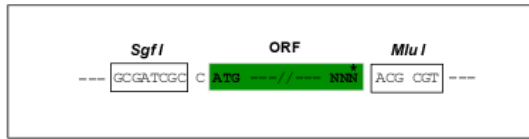
MIKGYMQQHNIPOREVVDTGLNQSHLSQHLNKGTPMKTQKRAALYTWYVRKQREILRQFNQTVQSSGNM  
 TDKSSQDQLLFLFPEFSQQNQGGQSEDTCSPTNKKMRRNRFKWGPASQQILYQAYDRQKNPSKEEEREA  
 LVEECNRAECLQRGVSPSKAHGLGSLNLTVEVRVYNWFANRRKEEAFRQKLAMDAYSNNQTHLNPLLTHG  
 SPHHQPSSPPNKMSGVRYNQPGNNEVTSSTISHHGNSAMVTSQSVLQQVSPASLDPGHSLLSPDSKMQ  
 ITVSGGLPPVSTLTNIHSLSHHNPQQSQNLIMTPLSGVMAIAQSLNLSQAQGVPIINSVASSLAALQPV  
 QFSQQLHSPHQPLMQQSPGSHMAQQPFMAAVTQLQNSHMYAHKQEPQYSHTSRFPSAMVVDTSSINT  
 LTSMSSSKQCPLQAW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**  
**Cloning Scheme:**

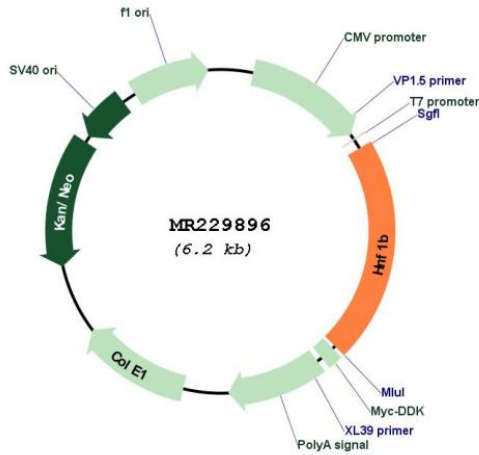
SgfI-MluI

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**Plasmid Map:**



**ACCN:** NM\_001291269

<b>ORF Size:</b>	1305 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_001291269.1</a> , <a href="#">NP_001278198.1</a>
<b>RefSeq Size:</b>	2474 bp
<b>RefSeq ORF:</b>	1308 bp
<b>Locus ID:</b>	21410
<b>UniProt ID:</b>	<a href="#">P27889</a>
<b>Cytogenetics:</b>	11 51.23 cM
<b>MW:</b>	48.8 kDa
<b>Gene Summary:</b>	Transcription factor, probably binds to the inverted palindrome 5'-GTTAATNATTAAC-3'. [UniProtKB/Swiss-Prot Function]