

## Product datasheet for **RN202829**

### **Hnf1b (NM\_013103) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Hnf1b (NM_013103) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Hnf1b
Synonyms:	HNF-1-beta; HNF-1B; LF-B3; Tcf2; VHNF1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN202829 representing NM\_013103  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGTGTCCAAGCTCACGTCTCTCCAGCAAGAACTCCTGAGTGCCCTGCTGAGCTCCGGAGTACCAAGG  
AAGTGCTGATCCAGGCCTTGGAGGAATTACTGCCGTCCCGAATTCGGGGTGAAGCTGGAGACTGCC  
CCTGTCCCCGGGAGCGGGCGGATCTCGACACCAAGCCGGTTTTCCATACTCTACCAATGGCCACGCC  
AAGGGCCGCTTGTCTGGGACGAGGGCTCAGAGGACGGGACGACTATGACACTCCTCCATCCTCAAAG  
AGCTCCAGGCGCTCAACACCGAGGAGGCCGCGGAGCAGCGGGCCGAGGTGGACCGGATGCTCAGTGAGGA  
CCCATGGAGGGCCGCAAAATGATCAAGGGATACATGCAACAGCACAACATCCCCAGAGGGAGGTGGTT  
GATGTCACAGGCCTGAACCAATCCACCTTTCTCAACACCTCAACAAGGGCACCCCATGAAGACCCAGA  
AGCGAGCTGCCCTGTACACCTGGTACGTCAGAAAGCAACGGGAGATCCTCCGACAGTTCAACCAGACAGT  
CCAGAGCTCTGGAACATGACAGACAAAAGCAGTCAGGATCAGCTGCTATTTCTTTCCAGAGTTCAGT  
CAACAGAACAGGGCCCTGGGCAGTCGGAGGACGCTGCTCTGAGCCACCAACAAGAAGATGCGCCGCA  
ACCGGTTCAAATGGGGGCCCGCATCCCAGCAAATTTGTACCAGGCCTACGACCGCAAAAAGAATCCAG  
CAAGGAAGAGAGGGAGGCCTTAGTGGAGGAGTGAACAGGGCAGAATGTTTGCAACGAGGGGTCTCCCC  
TCCAAAGCCATGGCCTAGGCTCCAACCTGGTCACGGAGTCCGTGTCTACAACCTGGTTTGCAAACCGCC  
GGAAGGAAGAGGCATTACAGACAGAAGCTGGCCATGGATGCCTATAGTCCAACAGACGCACAACCTTGA  
CCCCCTGCTACCCATGGCTCCCTCACCACAGCCAAGTCTCTCCACCAACAAGTTGTCAGGAGTA  
CGCTACAGCCAACCGGAAACAATGAGGTCACTTCCTCTTCGACAATCAGTCACCATGGTAACAGTGCCA  
TGGTGACCAGCCAGTCAGTTTTACAACAAGTCTCCCCGGCCAGCCTGGACCCAGGCCACAGTCTCCTCTC  
ACCTGACAGTAAAATGATCTCGGTGTCTGGAGGAGGACTGCCCCCGGTACGACACCTTGACGAATATCCAC  
AGCCTCTCCACCAACAATCCCCAGCAATCTCAAAACCTCATCATGACTCCCCTGTCCGGAGTCATGGCCA  
TTGCACAGAGCCTCAACACCTCCAAGCCAGGGTGTCCAGTCATCAACAGTGTGGCTAGCAGCCTGGC  
AGCCCTACAGCCCGTCCAGTTCTCTCAACAGCTGCACAGCCCTACCAGCAGCCCTCATGCAGCAGAGC  
CCAGGCAGTCACATGGCCAGCAGCCCTCATGGCTGCGGTGACTCAGCTACAGAACTCCACATGTATG  
CACATAAGCAGGAGCCCCCTCAGTATCCACACCTCCCGTTCCCATCTGCAATGGTGGTCACAGATAC  
CAGTAGCATCAATACCCTACCAGCATGCTTCCAGTAAACAGTGTCCACTGCAAGCCTGGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_013103

**Insert Size:** 1674 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).

**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\\_013103.2](#), [NP\\_037235.1](#)

**RefSeq Size:** 2741 bp

**RefSeq ORF:** 1674 bp

**Locus ID:** 25640

**UniProt ID:** [P23899](#)

**Cytogenetics:** 10q26

**Gene Summary:** transcription factor specific to the liver; member of the homeobox-containing basic helix-turn-helix family [RGD, Feb 2006]

Transcript Variant: This variant (2) uses an alternate in-frame splice junction in the 3' end compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is one aa shorter compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.