

Product datasheet for **MG222599**

Hnf1b (NM_009330) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hnf1b (NM_009330) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Hnf1b
Synonyms:	HNF-1-beta; HNF-1B; HNF-1Beta; Hnf1beta; LFB3; Tcf-2; Tcf2; vHNF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG222599 representing NM_009330
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTGTCCAAGCTCACGTCGCTCCAGCAAGAACTCCTGAGTGCCCTGCTGAGCTCCGGAGTACCAAGG
 AAGTGCTGATCCAGGCCTTGGAGGAGTTACTGCCGTCCCGAATTTCCGGGTGAAGCTGGAGACTGCC
 CCTGTCCCCGGGAGCGGGCGGATCTCGACACCAAGCCGGTTTTCCATACTCTACCAATGGCCACGCC
 AAGGGCCGCTTGTCTGGGACGAGGGCTCAGAGGACGGCGACTATGACACTCTCCCATCTCAAAG
 AGCTCCAGGCGCTCAACACCGAGGAGGCCGCGGAGCAGCGGGCCGAGGTGGACCGGATGCTCAGCGAGGA
 CCCGTGGAGGGCTGCCAAAATGATCAAGGGATACATGCAACAGCACAATATCCCCAGAGGGAGGTGGTC
 GATGTCACAGGCCTGAACCAATCCACCTCTCAACACCTCAACAAGGGCACCCCATGAAGACCCAGA
 AGAGAGCTGCCCTGTACACTTGGTACGTCAGAAAGCAACGGGAGATCCTCCGACAGTTCAACCAGACAGT
 CCAGAGCTCTGGAACATGACAGACAAAAGCAGTCAGGATCAGCTGCTGTTTCTTTCCAGAGTTCAGT
 CAACAGAACAGGGCCCTGGGCAGTCGGAGGACACCTGCTCCGAGCCACCAACAAGAAGATGCGCCGCA
 ACCGGTTTAAATGGGGGCCCGCATCCCAGCAAATTTTGTACCAGGCCTACGACCGCAAAAAGAATCCAG
 CAAGGAAGAGAGGGAGGCCTTAGTGGAGGAGTGTAAACAGGGCAGAATGTTTGAACGAGGGGTCTCCCT
 TCCAAAGCCCACGGCCTAGGCTCCAACCTGGTCACGGAGTCCGTGTCTACAACCTGGTTCGCAAACCGCC
 GGAAGGAAGAGGGCGTTCAGGCAGAAGCTGGCCATGGATGCCTATAGTCCAACGAGACGCACAACCTGAA
 CCCCTGCTACCCATGGCTCCCTCACCATCAGCAAGCTCCTCCACCCAACAAGATGTCAGGAGTG
 CGCTACAACGAGCCGGGAAACAATGAGGTCACTTCCTCTTCGACAATCAGTCACCATGGTAACAGTGCCA
 TGGTGACCAGCCAGTCGGTTTTACAGCAAGTCTCCCAGCCAGCTGGACCCAGGCCACAGTCTCCTCTC
 ACCTGACAGTAAAATGCAGATCACAGTGTCCGGAGGAGGACTGCCTCCCGTCAGCACCTTGACGAATATC
 CACAGCCTCTCCCACCACAATCCCAGCAATCTCAGAACCTCATCATGACCCCTGTCTGGAGTATGG
 CCATTGCACAGAGCCTCAACACCTCCAAAGCCAGGGTGTCCCGGTCAATTAACAGTGTGGCTAGCAGCCT
 GGCAGCCCTACAGCCCGTCCAGTCTCTCAACAGCTGCACAGCCCTCACCAGCAGCCCTCATGCAGCAG
 AGCCCAGGCAGTCACATGGCCAGCAGCCCTCATGGCCGCGGTGACTCAGCTACAGAACTCCACATGT
 ATGCACATAAGCAGGAACCCCCCAGTATCCACACCTCCCGGTCCCCTGCAATGGTGGTCACAGA
 TACCAGTAGCATCAACTCTCACCAGCATGTCTCCAGTAAACAGTGTCCACTGCAAGCCTGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG222599 representing NM_009330
 Red=Cloning site Green=Tags(s)

MVSKLTSLQQELLSALLSSGVTKEVLIQALEELLSPNFGVKLETLPLSPGSGADLDTKPVFHTLTNGHA
 KGRLSGDEGSEDGDDYDTPPILKELQALNTEEAQEAEVDRMLSEDPWRAAKMIKGYMQQHNPQREV
 DVTGLNQSLSQHLNKGTPMKTKRAALYTWYVRKQREILRQFNQTVQSSGNMTDKSSQDQLLFLFPEFS
 QQNQPGQSEDTCSEPTNKKMRRNRFKWGPASQQILYQAYDRQKNPSKEEREALVEECNRAECLQRGVSP
 SKAHGLGSLNLTVEVRVYNWFANRRKEEAFRQKLAMDAYSNNQTHLNPLLTHGSPHHQPSPPNKMMSGV
 RYNQPGNNEVTSSTISHHGNSAMVTSQSVLQQVSPASLDPGHSLSPDSKMQITVSGGLPPVSTLTNI
 HSLSHHNPQQSQNLIMTPLSGVMAIAQSLNLSQAQGVVINSVASSLAALQPVPFSQQLHSPHQQLMQQ
 SPGSHMAQQPFMAAVTQLQNSHMYAHKQEPQYSHTSRFPVSAMVVDTSSINTLTSMSSSKQCPLQAW

TRTRPLE - GFP Tag - V

Chromatograms:

https://cdn.origene.com/chromatograms/ja1600_a09.zip

Restriction Sites:

Sgfl-MluI

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

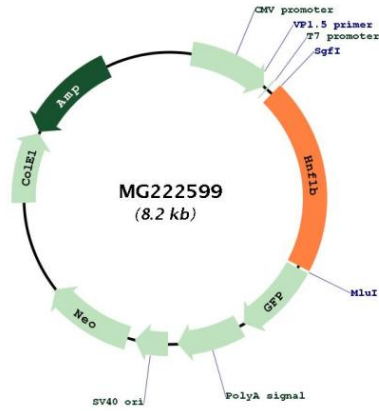
Locus ID: 21410

UniProt ID: [P27889](#)

Cytogenetics: 11 51.23 cM

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

Product images:



Circular map for MG222599