

Product datasheet for **MR209578**

Hnf1a (NM_009327) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hnf1a (NM_009327) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hnf1a
Synonyms:	A1323641; Hnf-1; HNF1; HNF1-alpha; Hnf1alpha; HNF1[a]; LFB1; Tcf-1; Tcf1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209578 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTTCTAAGCTGAGCCAGCTGCAGACGGAGCTCCTGGCTGCCCTGCTCGAGTCTGGCCTGAGCAAAG
 AGGCCCTGATCCAGGCCTTGGGGAGCCAGGGCCCTACCTGATGGTTGGAGAGGGTCCCCTGGACAAGGG
 GGAGTCTGCGGTGGGAGTTCGAGGGGACCTGACCGAGTTGCCTAATGGCCTTGGAGAAACGCGTGGCTCT
 GAAGATGACACGGATGACGATGGGGAAGACTTCGCGCCACCCATTCTGAAAGAGCTGGAGAACCTCAGCC
 CAGAGGAGGCAGCCACCAGAAAGCCGTGGTGGAGTCACTTCTCAGGAGGACCCATGGCGCGTGGCGAA
 GATGGTCAAGTCGACTTGCAGCAGCACAACATCCCCAGCGGGAGGTGGTGGACACCACGGGTCTCAAC
 CAGTCCCACCTGTACAGCACCTCAACAAGGGCACACCCATGAAGACACAGAAGCGGGCCGCTCTGTACA
 CCTGGTACGTCGCAAGCAGCGAGAGGTGGCTCAGCAATTCACCCACGCGGGGCAGGGCGGACTGATTGA
 AGAGCCCACAGCGATGAGCTGCCAACTAAGAAGGGCGTAGGAACCGGTTCAAGTGGGGCCCCGCATCC
 CAGCAGATCCTGTTCCAGGCCTACGAGAGGCCAAAAAGCCCCAGCAAGGAAGAGCGAGAGACCTTGGTGG
 AGGAGTGTAAAGGGCGGAGTGCATCCAGAGGGGGTGTACCATCGCAGGCCACGGGGCTAGGCTCCAA
 CCTTGTACGGAGGTGCGTGTCTACAACCTGGTTTGCCAAACCGCGCAAGGAGGAAGCCTTCCGGCACAAG
 TTGGCCATGGACACCTATAACGGACCTCCACGGGGCCAGGCCCGGGCCCTGCGTGCCTGCTCACAGTT
 CCCCCGGCCTGCCACAACCACCTCTCTCCAGTAAGGTCCACGGTGTACGGTACGGACAGTCTGCAAC
 CAGTGGAGCAGCCGAGGTGCCCTCCAGCAGCGGAGGTCCCTTAGTCACAGTGTCTGCGGCCTTACACCAG
 GTATCCCCACAGGCCTGGAGCCAGCAGCTGCTGAGCACAGAGGCCAAGCTGGTCTCAGCCACGGGGG
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 GCAGCCGCAGAACCCTTATCATGGCCTCGCTACCTGGGGTTCATGACCATCGGGCCCGGGGAGCCTGCCTCC
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 GCGTGCCTGTCATCAACAGCATGGGAGTAGCCTGACCACGCTGCAGCCGGTCCAGTTTTCCCAACCACT
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 ACCATGGCCAGCTGCAGAGCCCCACGCCTTATACAGCCACAAGCCTGAGGTGGCCAGTACACGCACA
 CCAGCCTGCTCCCGCAGACCATGTTGATCACAGACCAACCTCAGCACCTTGCAGCCTCACACCCAC
 CAAGCAGGTCTCACCTCAGACACAGAGCCTCCAGTGAAGCCGGGCTTACAGAGCCACCCTCTCCAGCC
 ACCACCATCCACATCCCAGCCAGGACCCGTGAACATCCAGCACCTGCAGCCTGCTCACGGCTCAGCA
 CCAGTCCCACAGTGTCTCCAGCAGCCTGGTGTGTATCAGAGTTCGACTCCAACGGGCACAGCCACCT
 GCTGCCATCAACCATAGTGTCATCGAGACTTTTATCTCCACCCAGATGGCCTCCTCTCCCAAG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

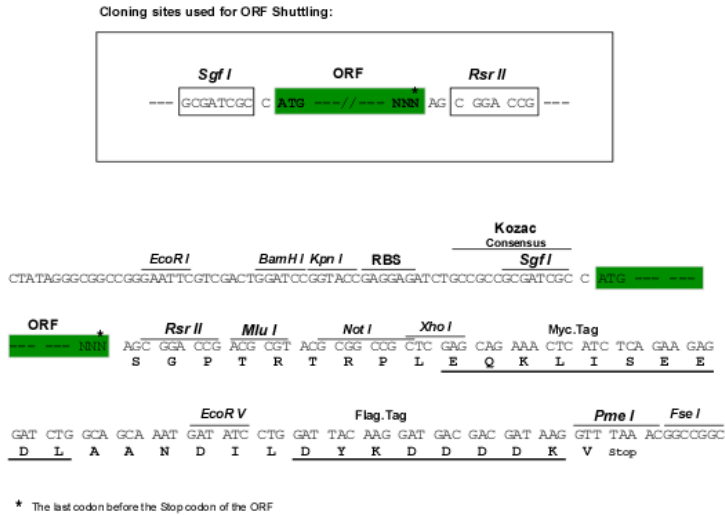
>MR209578 protein sequence
 Red=Cloning site Green=Tags(s)

MVSKLSQLQTELLAALLLESGLSKEALIQALGEPGPYLMVGEPLDKGESCGGSRGDLTELPNGLGETRGS
 EDDTDDDGEDFAPPILKELENLSPEEAHQKAVVESLLQEDPWRVAKMVKSYLQQHNIPQREVVDTTGLN
 QSHLSQHLNKGTPMKTKRAALYTWYVRKQREVAQQFTHAGQGGLEIEPTGDELPTKKGRRNRFKWGPAS
 QQILFQAYERQKSPSKEERETLVEECNRAECIQRGVSPSQAQGLGNSLVTEVRVYNWVANRRKKEEAFRHK
 LAMDTYNGPPPGPGPALPAHSSPGLPTTTLSPSKVHGVRYGQSATSEAAEVPSSSGGPLVTVSAALHQ
 VSPTGLEPSSLLSTEAKLVSATGGPLPPVSTLTALHSLEQTSPLNQQPQNLIMASLPGVMTIGPGEAS
 LGPTFTNTGASTLVIIGLASTQAQSVVINSMSSLTTLQPVQFSQPLHPSYQQLMPPVQSHVAQSPFMA
 TMAQLQSPHALYSHKPEVAQYHTSLLPQTMLITDNLSTLASLTPTKQVFTSDTEASSEPLHEPPSPA
 TTIHIPSQDPSNIQHLQPAHRLSTSPTVSSSLVLYQSSDSNGHSHLLPSNHVSIETFIISTQMASSSQ

SGP**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_009327

ORF Size: 1887 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_009327.1](#), [NM_009327.2](#), [NM_009327.3](#), [NP_033353.1](#)

RefSeq Size: 3203 bp

RefSeq ORF: 1887 bp

Locus ID: 21405

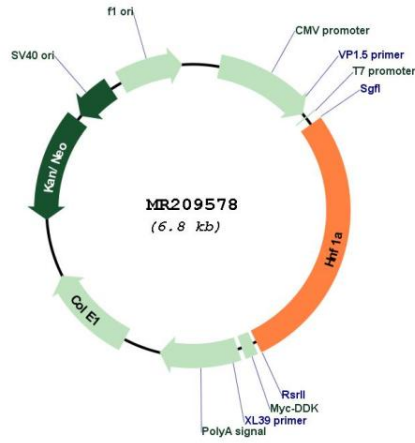
UniProt ID: [P22361](#)

Cytogenetics: 5 F

MW: 67.2 kDa

Gene Summary: This gene encodes a hepatic transcription factor. The encoded protein is not a member of the T-cell factor family, and is distinct from T-cell specific transcription factor 7 which has also been referred to by the symbol Tcf1. [provided by RefSeq, Jul 2008]

Product images:



Circular map for MR209578