

## Product datasheet for **RR206976**

### Hnf4a (NM\_022180) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hnf4a (NM_022180) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hnf4a
Synonyms:	Hnf4; Hnf4alpha
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR206976 representing NM\_022180  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCGACTCTCTAAAACCCTCGCCGACATGGACATGGCTGACTACAGTGTGCCTTGGACCCAGCCTACA  
 CCACCCTGGAGTTTGAAAATGTGCAGGTGTGACCATGGCAATGACACATCCCCATCTGAAGGTGCCAA  
 CCTCAACTCATCCAACAGCCTGGGTGTCAAGTGCCTGTGTGCCATCTGTGGCGATCGGGCCACTGGCAAA  
 CACTACGGAGCCTCAAGCTGTGACGGCTGCAAGGGATTCTCAGGAGGAGCGTGAGGAAGAACCACATGT  
 ACTCCTGCAGGTTTAGCAGGCAGTGCCTGGTAGACAAAGATAAGAGGAACCAGTGTCTTACTGCAGGCT  
 CAAGAAGTGCTTCCGGGCTGGCATGAAGAAAGAAGCCGTCAAAAATGAGCGGGATCGGATCAGCAGCGG  
 AGGTCAAGCTACGAGGACAGCAGCCTACCCTCCATTAATGCGCTCCTGCAGGCAGAGTCTGTCTCAGC  
 AGATCACCTCCCCATCTCTGGGATCAATGGCGACATTCGGGCCAAGAGGATTGCCAACATCACGGATGT  
 GTGTGAGTCTATGAAGGAGCAGTGTGTTCTGGTCTGAATGGGCCAAGTACATCCCGGCCCTTCTGTGAA  
 CTCTTCTGGATGACCAGGTGGCGCTGCTCAGAGCCACGCTGGTGGAGCAGTCTGTCTGGAGCCACCA  
 AGAGGTCCATGGTGTCAAGGATGTGCTGCTCCTAGGCAATGACTACATCGTCCCTCGGCACTGTCCAGA  
 GCTAGCAGAGATGAGCCGTGTGCCATTGCGATCCTCGATGAGCTGGTCTTGGCCCTTCCAAGAGCTGCAG  
 ATCGATGATAATGAATACGCCTGCCTCAAAGCCATCATCTTCTTGGACCCAGATGCCAAGGGGCTGAGTG  
 ACCCAGGCAAGATCAAGCGGCTGCGGTACAGGTGCAGGTGAGCCTGGAGGATTACATCAACGACCGGCA  
 GTATGACTCTCGGGTGTCTTGGAGAGCTGTGCTGCTCCTGCCACTCTGCAGAGCATTACCTGGCAG  
 ATGATCGAGCAGATCCAGTTCATCAAGCTCTTGGCATGGCCAAGATTGACAACCTGTGCAGGAGATGC  
 TGCTTGGAGGTTCTGCCAGTGACGCGCCACGCCACCCCTGCACCCTCACCTGATGCAAGAACA  
 CATGGGCACCAATGTATAGTTGCCAACACGATGCCCTCTCACCTCAGCAATGGACAGATGTGTGAGTGG  
 CCCCAGGCGCCAGGCGGAGGCAGCCACCCCTGAGACTCCACAGCCATCACCACCAAGTGGCTCTGGATCTG  
 AATCCTACAAGCTCCTGCCAGGAGCCATCACCACCATCGTCAAGCCTCCCTCTGCCATCCCCAGCCAAC  
 GATCACCAAGCAGGAAGCCATC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR206976 representing NM\_022180  
 Red=Cloning site Green=Tags(s)

MRLSKTLADMDMADYSAALDPAYTTLEFENVQVLTMGNDTSPSEGANLNSNSLGVLSALCAICGDRATGK  
 HYGASSCDGCKGFFRRSVRKNHMYSCRFSRQCVDKDKRNQCRCRLKCFRAGMKKEAVQNERDRISTR  
 RSSYEDSSLPSINALLQAEVLSQQITSPISGINGDIRAKRIANITDVCESMKEQLLVLEWAKYIPAFCE  
 LLLDDQVALLRAHAGEHLLL GATKRSMVFKDVL LLLGNDYIVPRHCP ELAEMSRV SIRILDELVL PPFQELQ  
 IDDNEYACLKAIIFDPDAKGLSDPGKIKRLRSQVQVSL EDYINDRQYDSRGRFGELLLLLPTLQ SITWQ  
 MIEQIQFIKLFMAKIDNLLQEMLLGGSASDAPHHHPLHPLMQEHMGTNVIVANTMPSHLSNGQMCEW  
 PRPRGQAATPETPQPSPSPSGSGSESYKLLPGAITIVKPPSAIPQPTITKQEI

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



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

**ACCN:** NM\_022180

**ORF Size:** 1422 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\\_022180.2](#), [NP\\_071516.2](#)
**RefSeq Size:** 1446 bp

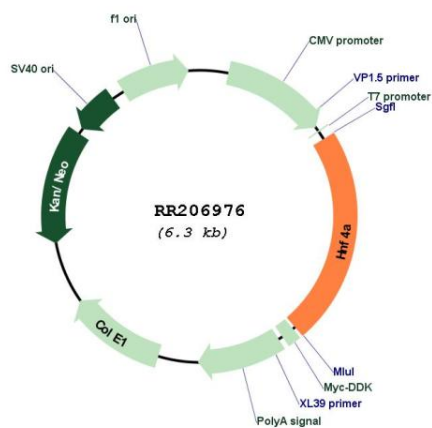
**RefSeq ORF:** 1425 bp

**Locus ID:** 25735

**UniProt ID:** [P22449](#)

Cytogenetics: 3q42  
 MW: 53.2 kDa  
 Gene Summary: steroid hormone receptor; involved in promoting transcription [RGD, Feb 2006]

**Product images:**



Circular map for RR206976