

Product datasheet for **RR216701**

Hnf4a (NM_001270931) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hnf4a (NM_001270931) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hnf4a
Synonyms:	Hnf4; Hnf4alpha
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR216701 representing NM_001270931
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGGACAGGGCCAGGGTTTCTGCAGGACCCACCAGACACATCCCCATCTGAAGGTGCCAACCTCA
 ACTCATCCAACAGCCTGGGTGTCAAGTGCCTGTGTGCCATCTGTGGCGATCGGGCCACTGGCAAACACTA
 CGGAGCCTCAAGCTGTGACGGCTGCAAGGGATTCTTCAGGAGGAGCGTGAGGAAGAACCACATGTA
 TGCAGGTTTAGCAGGCAGTGCCTGGTAGACAAAGATAAGAGGAACCAGTGTGTTACTGCAGGCTCAAGA
 AGTGCTCCGGGCTGGCATGAAGAAAGAAGCCGTCCAAAATGAGCGGGATCGGATCAGCAGCGGAGGTC
 AAGCTACGAGGACAGCAGCCTACCCTCCATTAATGCGCTCTGCAGGCAGAGGTCCTGTCTCAGCAGATC
 ACCTCCCCATCTCTGGGATCAATGGCGACATTCGGGCCAAGAGGATTGCCAACATCACGGATGTGTGTG
 AGTCTATGAAGGAGCAGTGTGGTTCTGGTGAATGGGCCAAGTACATCCCGCCTTCTGTGA
 ACTTCTCTGGATGACCAGGTGGCGCTGCTCAGAGCCCACGCTGGTGGAGCACCTGTGCTTGGAGCCACCAAGAGG
 TCCATGGTGTCAAGGATGTGTGCTCCTAGGCAATGACTACATCGTCCCTCGGCACTGTCCAGAGCTAG
 CAGAGATGAGCCGTGTGTCCATTGCGATCCTCGATGAGCTGGTCTTGCCCTTCCAAGAGCTGCAGATCGA
 TGATAATGAATACGCCTGCCTCAAAGCCATCATCTTCTTTGACCCAGATGCCAAGGGGCTGAGTGACCCA
 GGCAAGATCAAGCGGCTGCGGTACAGGTGCAGGTGAGCCTGGAGGATTACATCAACGACCGGCAGTATG
 ACTCTCGGGTTCGTTTTGGAGAGCTGCTGCTGCTCCTGCCACTCTGCAGAGCATTACCTGGCAGATGAT
 CGAGCAGATCCAGTTCATCAAGCTCTTTGGCATGGCCAAGATTGACAACCTGTGCAGGAGATGTGCTT
 GGAGGGTCTGCCAGTGACGCGCCCCACGCCACCCCTGCACCCTCACCTGATGCAAGAACACATGG
 GCACCAATGTATAGTTGCCAACACGATGCCCTCACCTCAGCAATGGACAGATGTGTGAGTGGCCCCG
 GCCCAGGGGCGAGGCAGCCACCCCTGAGACTCCACAGCCATCACCACCAAGTGGCTCTGGATCTGAATCC
 TACAAGCTCCTGCCAGGACCATCACCACCATCGTCAAGCCTCCCTCTGCCATCCCCAGCCAACGATCA
 CCAAGCAGGAAGCCATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR216701 representing NM_001270931
 Red=Cloning site Green=Tags(s)

MSDRGQGFLLQDPPDTSPSEGANLNSSNSLGVLSALCAICGDRATGKHYGASSCDGCKGFFRRSVRKNHMYS
 CRFSRQCVVDKDKRNQCRYCRLKCFRAGMKKEAVQNERDRISTRSSYEDSSLPSINALLQAEVLSQOI
 TSPISGINDIRAKRIANITDVCESMKEQLLVLEWAKYIPAFCELLDDQVALLRAHAGEHLLLGATKR
 SMVFKDVLVLLGNDYIVPRHCPPELAEMSRVSIRILDELVLPFQELQIDDNEYACLKAIIFDPDAKGLSDP
 GKIKRLRSQVQVSLQEDYINDRQYDSRFRGELLLLLPTLQSIWQMIQIQIFIKLFGMAKIDNLLQEMLL
 GGSASDAPHAAHPLHPLMQEHMGTNVIIVANTMPSHLSNGQMCEWPRPRGQAATPETPQSPSPSGSGSES
 YKLLPGAITTIVKPPSAIPQPTITKQEI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

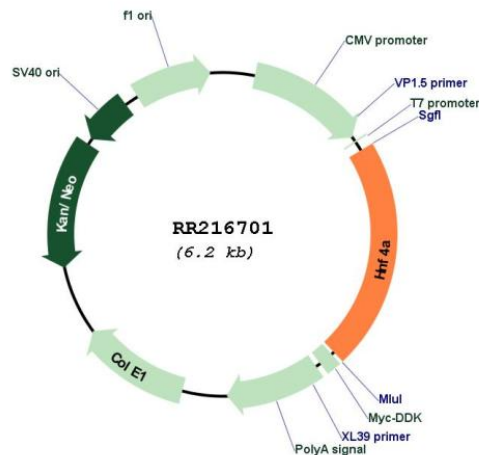
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001270931

ORF Size: 1347 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_001270931.1](#), [NP_001257860.1](#)

RefSeq Size: 4456 bp

RefSeq ORF: 1350 bp

Locus ID: 25735

Cytogenetics: 3q42

MW: 50 kDa

Gene Summary: steroid hormone receptor; involved in promoting transcription [RGD, Feb 2006]