

Product datasheet for RR216675

Hnf4a (NM_001270933) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hnf4a (NM_001270933) 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
ORF Nucleotide Sequence:	>RR216675 representing NM_001270933 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGGACAGGGGCCAGGGTTTCCTGCAGGACCCACCAGACACATCCCCATCTGAAGGTGCCAACCTCA
ACTCATCCAACAGCCTGGGTGTCAGTGCCCTGTGTGCCATCTGTGGCGATCGGGCCACTGGCAAACACTA
CGGAGCCTCAAGCTGTGACGGCTGCAAGGGATTCTTCAGGAGGAGCGTGAGGAAGAACCACATGTACTCC
TGCAGGTTTAGCAGGCAGTGCCTGGTAGACAAAGATAAGAGGAACCAAGTGTGTTACTGCAGGCTCAAGA
AGTGCTCCCGGGCTGGCATGAAGAAAGAAGCCGTCCAAAATGAGCGGGATCGGATCAGCAGCGGGAGGTC
AAGCTACGAGGACAGCAGCCTACCCTCCATTAATGCGCTCCTGCAGGCAGAGGTCCTGTCTCAGCAGATC
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AGTCTATGAAGGAGCAGCTGCTGGTCTGGTGAATGGGCAAGTACATCCCGGCCTTCTGTGAATTCT
TCTGGATGACCAGGTGGCGCTGCTCAGAGCCACGCTGGTGAGCACCTGCTGCTGGAGCCACCAAGAGG
TCCATGGTGTCAAGGATGTGCTGCTCCTAGGCAATGACTACATCGTCCCTCGGCATGTCCAGAGCTAG
CAGAGATGAGCCGTGTGCCATTCCGATCCTCGATGAGCTGGTCTTGCCCTTCCAAGAGTGCAGATCGA
TGATAATGAATACGCCTGCCTCAAAGCCATCATCTTCTTTGACCCAGATGCCAAGGGGCTGAGTGACCCA
GGCAAGATCAAGCGGCTGCGGTACAGGTGAGGCTGGAGGATTACATCAACGACCGGCAGTATG
ACTCTCGGGTCTGTTTGGAGAGCTGCTGCTCCTGCCACTCTGCAGAGCATTACCTGGCAGATGAT
CGAGCAGATCCAGTTCATCAAGCTCTTTGGCATGGCCAAGATTGACAACCTGCTGCAGGAGATGCTGCTT
GGAGGGTCTGCCAGTGACGCGCCCCACGCCACCACCCCTGCACCCTCACCTGATGCAAGAACACATGG
GCACCAATGTATAGTTGCCAACACGATGCCCTCACCTCAGCAATGGACAGATGTCCACCCTGAGAC
TCCACAGCCATCACCACCAAGTGGCTCTGGATCTGAATCCTACAAGCTCCTGCCAGGAGCCATCACCACC
ATCGTCAAGCCTCCCTCTGCCATCCCCAGCCAACGATACCAAGCAGGAAGCCATC

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RR216675 representing NM_001270933
 Red=Cloning site Green=Tags(s)

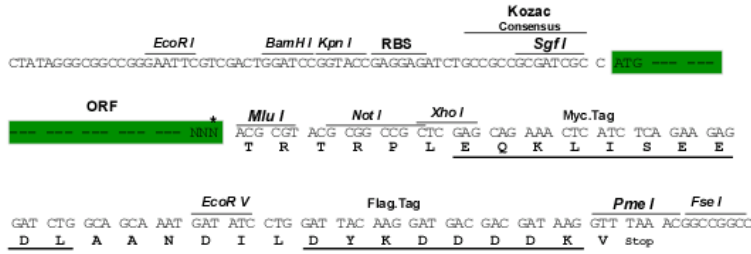
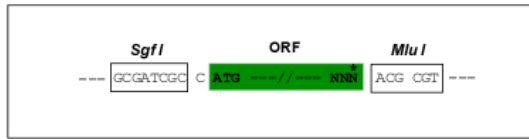
MSDRGQGFLQPPDTPSEGANLNSSNSLGVLSALCAICGDRATGKHYGASSCDGCKGFFRRSVRKNHMYS
 CRFSRQCVVVDKDRNQCRYCRLKKCFRAGMKKEAVQNERDRISTRSSYEDSSLPSINALLQAEVLSQIQI
 TSPISGINGDIRAKRIANITDVCESMKEQLLVLEWAKYIPAFCELLLDQVALLRAHAGEHLLLGATKR
 SMVFKDVLVLLGNDYIVPRHCPELAEMSRVSIRILDDELVLPFQELQIDDNEYACLKAIIFDPAKGLSDP
 GKIKRLRSQVQVLSLEDYINDRQYDSRGRFGELLLLLPTLQSITWQMIEQIQIFIKLFGMAKIDNLLQEMLL
 GGSASDAPHAHPLHPLHMQEHTMGTNIVANTMPSHLSNGQMSTPETPQPSPSPSGSGSESYKLLPGAITT
 IVKPPSAIPQPTITKQEA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:
 Cloning Scheme:

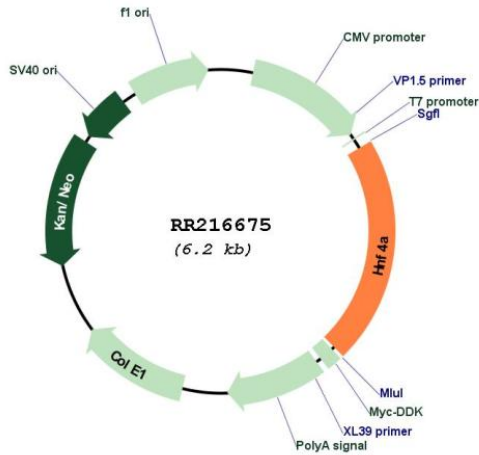
SgfI-MluI

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001270933

ORF Size:	1317 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:	<ol style="list-style-type: none">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_001270933.1 , NP_001257862.1
RefSeq Size:	4426 bp
RefSeq ORF:	1320 bp
Locus ID:	25735
Cytogenetics:	3q42
MW:	48.8 kDa
Gene Summary:	steroid hormone receptor; involved in promoting transcription [RGD, Feb 2006]