

Product datasheet for **RN216701**

Hnf4a (NM_001270931) Rat Untagged Clone

Product data:

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



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Fully Sequenced ORF: >RN216701 representing NM_001270931
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCGGACAGGGCCAGGGTTTCTGCAGGACCCACCAGACACATCCCCATCTGAAGGTGCCAACCTCA
 ACTCATCCAACAGCCTGGGTGTCAAGTGCCTGTGTGCCATCTGTGGCGATCGGGCCACTGGCAAACACTA
 CGGAGCCTCAAGCTGTGACGGCTGCAAGGGATTCTTCAGGAGGAGCGTGAGGAAGAACCACATGTA
 TGCAGGTTTAGCAGGCAGTGCCTGGTAGACAAAGATAAGAGGAACCAGTGTGTTACTGCAGGCTCAAGA
 AGTGCTCCGGGCTGGCATGAAGAAAGAAGCCGTCCAAAATGAGCGGGATCGGATCAGCAGCGGGAGGTC
 AAGCTACGAGGACAGCAGCCTACCCTCCATTAATGCGCTCTGCAGGCAGAGGTCCTGTCTCAGCAGATC
 ACCTCCCCATCTCTGGGATCAATGGCGACATTCGGGCCAAGAGGATTGCCAACATCACGGATGTGTGTG
 AGTCTATGAAGGAGCAGTGTGGTTCTGGTGAATGGGCAAGTACATCCCGCCTTCTGTGA
 ACTTCTCTGGATGACCAGGTGGCGCTGCTCAGAGCCCACGCTGGTGAGCACCTGTGCTTGGAGCCACCAAGAGG
 TCCATGGTGTCAAGGATGTGTGCTCCTAGGCAATGACTACATCGTCCCTCGGCACTGTCCAGAGCTAG
 CAGAGATGAGCCGTGTGTCCATTGCGATCCTCGATGAGCTGGTCTTGCCCTTCCAAGAGCTGCAGATCGA
 TGATAATGAATACGCCTGCCTCAAAGCCATCATCTTTGACCCAGATGCCAAGGGGCTGAGTGACCCA
 GGCAAGATCAAGCGGCTGCGGTACAGGTGCAGGTGAGCCTGGAGGATTACATCAACGACCCGGCAGTATG
 ACTCTCGGGTTCGTTTTGGAGAGCTGTGCTGCTCCTGCCACTCTGCAGAGCATTACCTGGCAGATGAT
 CGAGCAGATCCAGTTCATCAAGCTCTTTGGCATGGCCAAGATTGACAACCTGTGAGGAGATGTGCTT
 GGAGGGTCTGCCAGTGACGCGCCCCACGCCACCCCTGCACCCTCACCTGATGCAAGAACACATGG
 GCACCAATGTATAGTTGCCAACACGATGCCCTCACCTCAGCAATGGACAGATGTGTGAGTGGCCCCG
 GCCCAGGGGCGAGCAGCCACCCCTGAGACTCCACAGCCATCACCACCAAGTGGCTCTGGATCTGAATCC
 TACAAGCTCCTGCCAGGACCCATCACCACCATCGTCAAGCCTCCCTCTGCCATCCCCAGCCAACGATCA
 CCAAGCAGGAAGCCATCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001270931
- Insert Size:** 1350 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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

Gene Summary: steroid hormone receptor; involved in promoting transcription [RGD, Feb 2006]
Transcript Variant: This variant (2) is the longest transcript. It differs in the 5' UTR and 5' coding region, compared to variant 1. The resulting isoform (2, also known as HNF4alpha11) is shorter and has a distinct N-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.