

Product datasheet for **RR205875**

Nr1h4 (NM_021745) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nr1h4 (NM_021745) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nr1h4
Synonyms:	Fxr
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR205875 representing NM_021745
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAATCTGATTGGGCCCTCCCATTTACAAGCCACGGACGAGTTTGTCTTTCTGAAAACCTATTTGGAG
 TGCTAACAGAGCACGCGGCAGGTCTCTGGGGCAGAATCTGGACTTGAATCGTACTCCCCATACAACAA
 TGTGCAGTTTCTCAAGTTCAGCCACAGATCTCCTCCTCGTCCTATTATTCCAACCTGGGTTTCTACCCG
 CAACAACCGGAAGACTGGTACTCTCCTGGACTCTATGAACTCAGGCGAATGCCACTGAGAGTGTGTACC
 AGGGAGAGACTGAGGTATCCGAGATGCCTGTGACAAAGAAGCCGCGAATGGCCGCCTCATCGCGGGGAA
 AATAAAAGGGGATGAGCTGTGTGTGGTCTGCGGAGACAGGGCCTCTGGTACCATTACAACGCGCTCACC
 TGGGAGGGCTGCAAAGGTTTCTCCGAAGAAGCATCACAAAAACGCCGTGTACAAGTGAAGAACGGG
 GCAACTGCGTGATGGATATGTACATGCGTCGGAAGTGCCAGGATTGCCGGCTAAGGAAGTGCAGAGAGAT
 GGAATGTTGGCTGAATGTTTGAAGTAAATTCAGTGTAAATCTAAACGGCTAAGGAAAAATGTGAAG
 CAGCATGCGGATCAGACAGTGAATGAGGACAGCGAAGGGCGTGACTTGGCGCAAGTGACCTCCACGACCA
 AGCTATGCAGGGAGAAAACCTGAACTCACTGTAGACCAGCAGACCCCTCTGGATTATATTATGGACTCATA
 CAGCAAACAGAGAATGCCACAGGAGATCACAATAAAAATCTTAAAAGAAGATTTAGTGCAGAAGAAAAT
 TTTCTCATATTAACAGAAATGGCTACCAGTACAGTACAGATTCTCGTAGAATTCACAAAAAGACTTCCAG
 GGTTTCAGACACTGGACCACGAAGACCAGATTGCTTTGCTCAAAGGGTCCGCAGTCGAGGCCATGTTCT
 TCGTTCAGCGGAGATTTTCAATAAGAACTTCTGCCGGACACGACAGCTGTTGGAAGAAAGAATTCGA
 AAGAGCGGCATCTCCGATGAGTACATAACCCCGATGTTTAGTTTCTATAAAAAGTGTGGGGAGCTGAAAA
 TGACCCAGGAAGAGTACGCTCTGCTCACAGCAATTGTCATCCTCTCCAGACAGACAATACATAAAGGA
 TAGAGAGGCAGTGGAGAAGCTTCAGGAGCCTCTGCTCGATGTCCTACAAAACTCTGCAAGATCTACCAG
 CCCGAGAACCCTCAGATTTTCGCTGCCTCCTGGTGCCTGACAGAACTCCGGACATTCACCATCACC
 ACGCTGAGATGCTGATGCTTGGAGGGTGAATGACCACAAGTTCACCCCGCTCTCTGTGAGATCTGGGA
 TGTGCAG

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR205875 representing NM_021745
 Red=Cloning site Green=Tags(s)

MNLIGPSHLQATDEFALSENFLGVLTEHAAGPLGQNLDESYSYNNVQFPQVQPQISSSSYSYNSLGFYP
 QQPEDWYSPGLYELRRMPTEVSQGETEVSEMPVTKKPRMAASSAGRIKGDLCVVCGRASGYHYNALT
 CEGCKGFFRRSITKNAVYCKNGGNCVMDMYMRRKQDCRLRKCREMGMLAECLL TEIQCKSKRLRKNVK
 QHADQTVNEDSEGRDLRQVTSTTKL CREKTEL TVDQQTLLDYIMDSYSKQRMPEITNKILKEEFSAEEN
 FLILTEMATSHVQILVEFTKRLPGFQTLDHEDQIALLKGSAMFLRSAEIFNKKLPAGHADLLEERIR
 KSGISDEYITPMFSFYKSVGELKMTQEEYALLTAIVILSPDRQYIKDREAVEKLEPLLDVQLCKIYQ
 PENPQHFACLLGRLELRTFNHHHAEMLSWRVNDHKFTPLLCEIWDVQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

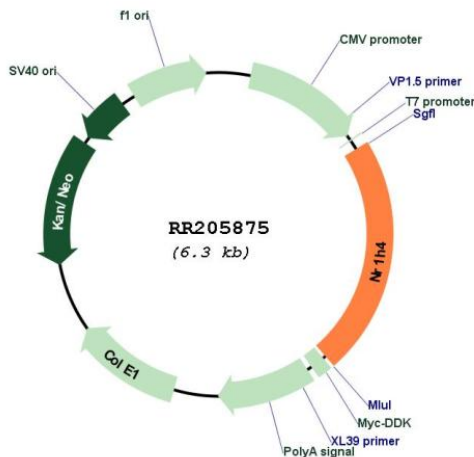
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_021745

ORF Size:

1407 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_021745.1](#), [NP_068513.1](#)

RefSeq Size: 2070 bp

RefSeq ORF: 1410 bp

Locus ID: 60351

UniProt ID: [Q62735](#)

Cytogenetics: 7q13

MW: 53.9 kDa

Gene Summary: nuclear hormone receptor that is activated by farnesol metabolites [RGD, Feb 2006]