

Product datasheet for **RR209470**

Nf1x (NM_030866) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nf1x (NM_030866) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nf1x
Synonyms:	Nfix
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR209470 representing NM_030866
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGTACTCCCGTACTGCCTACCCAGGATGAGTTCCACCGTTCATCGAGGCGTCTGCCTCAGTCC
 GAGCCTTCTCCTACACCTGGTTCAACCTGCAGGCGCGGAAGCGCAAGTACTTCAAGAAGCACGAGAAGCG
 GATGTCAAAGGACGAGGAGCGCGCAGTGAAGGACGAGCTGCTGGGCGAGAAGCCTGAGATCAAGCAGAAG
 TGGGCATCCCGGCTGTTGGCCAAGCTGCGCAAAGACATCCGGCCCGAGTTCGCGAGGACTTTGTGCTAA
 CCATCACGGGCAAGAAGCCCCCTGCTGCGTCTCTCAACCCCGACCAGAAGGGCAAGTCCGGCGGAT
 TGACTGCCTGCGCCAGGCTGACAAGGTGTGGCGGCTGGACCTGGTCATGGTGATTTTGTAAAGGGATC
 CCTTTGAAAGTACTGATGGGGAGCGGCTCTACAAGTCGCCCCAGTGCTCGAACCCCGGCTGTGCGTCC
 AGCCACATCACATTGGAGTCACAATCAAAGAACTGGACCTTTATCTGGCTTACTTTGTCCACACTCCGGA
 ATCCGGACAATCAGATAGTTCAAACCAGCAAGGAGATGCGGACATCAAACCACTGCCAACGGGCACTTA
 AGTTTCCAGGACTGCTTTGTGACGTCTGGGGTCTGGAACGTGACAGAGCTGGTGAGAGTGTACAGACTC
 CTGTTGCAACTGCATCAGGGCCCAACTTCTCACTGGCAGATCTGGAGAGCCCCAGTTACTACAACATAAA
 TCAAGTGACCCTGGGACGCCGTCCATCACCTCCCTCCTTCCACCAGCACCAAGCGCCCCAAGTCC
 ATCGACGACAGTGAGATGGAGAGTCCAGTCGATGATGATTCTATCCTGGGACAGGCCGCTCCCAAGCAG
 CTGGCAGCAGCCAGTCTAGCGGATGGCCCAACGACGTGGATGCAGGCCCTGCTTCTAAAGAAGTCAGG
 AAAGCTGGACTTCTGCAGCGCCCTCTCTCTCAGGGCAGCTCCCAACGCATGGCTTTACCCACCACCCG
 CTGCCTGTGCTTGTGGAGTCAGACCAGGAGCCCCGGGCCACAGCATCAGCACTGCACCTCCCTTCCA
 CCTCCATCATTAGCAGTCGAGCCCGTACTTACACACCAACCATCCGCTACCACCACCACCATGGGCA
 GGACTCGCTGAAGGAGTTCGTACAGTTTGTGCTCTGACGGCTCGGGTCAGGCCACCGGGCAGCATTCA
 CAACGACAGGCGCCTCTCTGCCAACGGTTTGTGACATCGGATCCCGGACAGCAACTTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR209470 representing NM_030866
 Red=Cloning site Green=Tags(s)

MYSPLYCLTQDEFHPFIEALLPHVRAFSYTWFLQARKRKYFKKHEKRMSKDEERAVKDELLGEKPEIKQK
 WASRLAKLRKDIRPEFREDFVLTITGKKPPCCVLSPDQKKGKIRRIDCLRQADKVRDLVLMVILFKGI
 PLESTDGERLYKSPQCSNPGLCVQPHHIGVTIKELDLAYFVHTPESGQSDSSNQGDADIKPLPNGHL
 SFQDCFTSGVWNVTELVRVSQTPVATASGPNFSLADLESPPSYINQVTLGRRSITSPSTSTTKRPKS
 IDSEMESPVDVVFYPGTGRSPAAGSSQSSGWPNDVDAGPASLKKSGKLDFCALSSQSSPRMAFTTHP
 LPVLAGVRPGSPRATASALHFPSTSIQQSSPYFTHPTIRYHHHHGQDSLKEFVQFVCSGDSGQATGQHS
 QRQAPPLPTGLSASDPGTATF

TRTRPLE**QKLISEEDLAANDILDYKDDDDKV**

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_030866

ORF Size: 1323 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_030866.1](#), [NP_110493.1](#)

RefSeq Size: 1445 bp

RefSeq ORF: 1326 bp

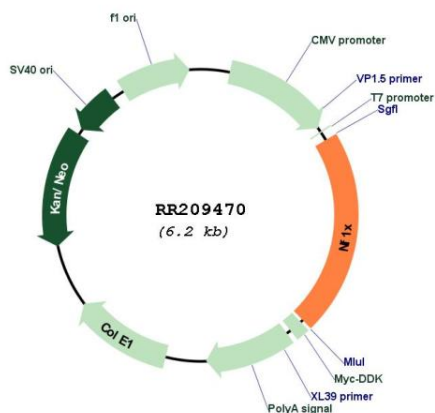
Locus ID: 81524

Cytogenetics: 19q11

MW: 48.9 kDa

Gene Summary: DNA binding protein involved in transcriptional regulation and olfactory gene expression [RGD, Feb 2006]

Product images:



Circular map for RR209470