

Product datasheet for **RR206384**

Ngfr (NM_012610) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ngfr (NM_012610) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ngfr
Synonyms:	LNGFR; p75; p75NTR; RNNGFRR; Tnfrsf16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR206384 representing NM_012610
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGGAGGGCAGGTGCTGCCTGCAGCGCCATGGACCGGTGCGCCTGCTGCTGCTGATTCTAGGGA
 TGTCTCTGGAGGTGCCAAGGAGACATGTTCCACAGGCCTGTACACCCACAGCGGAGAGTGTGCAAAGC
 CTGCAACTTGGGCGAAGGCGTGGCCAGCCCTGCGGAGCCAACCAGACCGTGTGTGAACCTGCCTGGAC
 AGTGTACATTCTCCGATGTGGTGGAGCGCCACTGAGCCGTGCAAGCCGTGCACCGAGTGCCTGGCCTGC
 AGAGCATGTCCGCTCCCTGTGTGGAGGCAGACGATGCAGTGTGCAGATGTGCCTATGGCTACTACCAGGA
 CGAGGAGACTGGCCACTGTGAGGCTTGCAGCGTGTGCGAGGTGGGCTCGGACTCGTGTCTCCTGCCAG
 GACAAACAGAACACAGTGTGTGAAGAGTGCCAGAGGGCACATACTCAGACGAAGCCAACCAGTGGACC
 CGTGCCTACCCTGCACGGTGTGCGAGGACACTGAGCGCCAGTTACGCGAGTGCACGCCCTGGGCTGATGC
 TGATGCGAAGAGATCCCTGGTCGATGGATCCCAAGGTCTACGCCCCGGAGGGTCCGACAGCACAGCG
 CCCAGCACCCAGGAGCCTGAGGTTCTCCAGAGCAAGACCTTGTACCCAGTACAGTGGCGGATATGGTGA
 CCACTGTGATGGGCGAGCTCCAGCCTGTAGTGACCCGCGGCACCACCGACAACCTCATTCTGTCTATTG
 CTCCATCTTGGCTGCTGTGGTGTGGCCTTGTGGCCTATATTGCTTCAAGAGGTGGAACAGCTGCAAA
 CAAAATAAACAAGGCGCCAACAGCCGCCCGTGAACCAGACGCCCCACCGGAGGGAGAGAACTGCACA
 GCGACAGTGGCATCTCTGTGGACAGCCAGAGCCTGCACGACCAGCAGACCCATACGCAGACTGCCTCAGG
 CCAGGCCCTCAAGGGTGTGGCAACCTCTACAGTAGCCTGCCCTGACCAAGCGTGGAGGAGTAGAGAAA
 CTGCTCAACGGGGATACCTGGCGACATCTGGCAGGCGAGCTGGGTTACCAGCCTGAACATATAGACTCCT
 TTACCCACGAGGCTGCCAGTGGCAGCCCTGCTGGCCAGTGGGTTGCCAGGACAGTGAACGCTTGA
 TGCCCTTTTAGCCGCCCTGCGACGCATCCAGAGAGCTGACATTGTGGAGAGTCTATGCAGCGAGTCCACT
 GCCACGTCCCGAGTGGCCAGTCCCGAGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR206384 representing NM_012610
 Red=Cloning site Green=Tags(s)

MRRAGAACSAMDRLRLLLLLILGMSSGGAKETCSTGLYTHSGECKKACNLGEGVAQPCGANQTVCEPCLD
 SVTFSDVVSATEPCKPCTECLGLQSMSAPCVEADDAVCRCAYYQDEETGHCEACSVCEVGSGLVFSQ
 DKQNTVCEECPEGTYSDEANHVDPCLPCTVCEDTERQLRECTPWADAEEIIPGRWIPRSTPPEGSSTA
 PSTQEPEVPPEQDLVPSTVADMVTTVMGSSQPVVTRGTTDNLIPVYCSILAAVVVGLVAYIAFKRWNSCK
 QNKQGANSRPVNQTPPEGEKLSHDSGIVDSQSLHDQQTHTQTASGQALKGDGNLYSSLPLTKREEVEK
 LLNGDTWRHLGELGYQPEHIDSFHEACPVRALLASWGAQDSATLDALLAALRRIQRADIVESLCESEST
 ATSPVATSPV

TRTRPLEQKLISEEDLAANDILDYKDDDDKVV

Chromatograms:

https://cdn.origene.com/chromatograms/ja1496_a07.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_012610

ORF Size: 1275 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 Size: 3266 bp

RefSeq ORF: 1278 bp

Locus ID: 24596

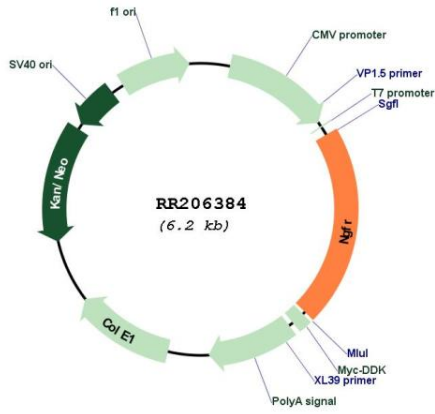
UniProt ID: [P07174](#)

Cytogenetics: 10q26

MW: 45.4 kDa

Gene Summary: receptor that can bind NGF, BDNF, NT-3, and NT-4 [RGD, Feb 2006]

Product images:



Circular map for RR206384