

Product datasheet for **RR209612**

Zfp110 (NM_001024775) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp110 (NM_001024775) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zfp110
Synonyms:	Nrif1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RR209612 representing NM_001024775
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGCTTCCACGCTTCCAACAACCTGGCCCCATGAATCTGTGAAGTTTGAAGATGTATCACTGACATTTA
 CCAAGGAAGAGTGGGCACAGCTGGACCTCCAACAGAAAGTGCCTATACAGGAAATCATGATGGAGAACTA
 CAATAACATGATTTCACTGGAGCATCACTTTTCCAAGCCAAATGTCATATCTCAGTTAGAAGAAGCAGAA
 GACTGCTGGCCAATGGAGAGAGAAATTCGTCAAGATATTCTTCCAGAATGTTCTGGGCCTTCTCTGGACC
 CTGGAATGAATTCCTTTCTGCTGAGAGTCCCCTGATGAAGATCAAGGTTGTTGAGGTCCTTACATTGAA
 CAAGGATGTGGCTGGTCCCCGAATGCCCTGATTCAATCCCTATATCCAGAAAGTAGGAAAACTTGAAC
 CCAGGTAACCTCAAACCAGCTAAGCCAAGCAAGCGTTTGACTGACACTGAAGCTTTGCGCCAGAAGTTCC
 GACATTTCCAGTATGAAGAATCAGCTGGTCCCCAGAAGGCTGTGTCCCGCTTCGTAAGCTGTGTACCA
 GTGGCTGCAGCCCAATATACGTTCAAAGAAGCAGATCATAGAGTTGCTGGTGTGTTGAACAGTTTCTGAGT
 GCACTGCCTGAGAAGTTTCGGGTGTGGTTAGAGTCACAGCACCCAGAGGACTGCAGAGCAGCAGTAGCTT
 TGTGGAGAATATGACCTCAGTGACTAAGGATGATGCTCAGCTTGTCTGTCTAGTGAAGCCACTGATCA
 ACTAAAGGAGAAAAAGAAAGGATGTGGCTACCTTACCAGTTACTGTACCACCTGAGGAGCCGGTGACTTTC
 CAGGATGTGGCTGTGGGCTTCAGTCAGGAGGAGTGGCGGCTACTAGGTCCAGTGCAGAGGACGGAGTATC
 ATGATGTGATGCTAGAGACCTTGGGCAACTTGGTCTCTGTGGGTGGGAGCCTACGTTGGAAAAACAGAGC
 GATAAGTCCAGACTCTCCATTCTGTGGTAAAACCAATTCATGATCCAAACCCAAAAGATCTCTCAAGG
 AATGGTATCCAATCCACTGTCTTTGAAATTATCTCACAAGATAGGTCCTCAGAAGAAGCTCTCTGAAAGCTCAAGTCTCA
 CAAATCAAGCGGGTCTTCTACAGGAAAAAGCCATCCTCAGAAGAAGCTCTCTGAAAGCTCAAGTCTCA
 GGAGGGAATAATCTTCAAAAAGCCAGGGCTCACTTGATGAAGTTCTCTAGAAAAGCATGTAAAAGTT
 AAGCAGAAGGGGACTAGAAAGGGGAAAGACAGGAAGAACCATTTCATGACACGAGGTTTACGCATAA
 GAAATCAGCAAAAGGACTCTGTGGAGTGCAAGGCAGGGGTGACAGCAATCCCATGACACATGGCTACTC
 TATAAAAAACCAACGGGTTCTGAGCAAGGAACAGCTGGGGCCAGAAGAGATCCATTACCTTACTGTG
 TCTGCACAATTTTACCAGAAAGCCACTGGCTCTGAAGAGGGTAGATTAGGGACAATAGCAATGCCATAG
 TACCTGATACACCTACAAAGATTCACCAGAAAAGCCCTGAATGGCATAAAGTGGGAGAGTAACAATTC
 CATGTCATCTGTACAAAATGACCAGATGGGGTCTGGGGCAGGAAGAGGCAGGGACAATACTATCTTGACA
 CATGCACTACCTGTAAAAATTCACCAGAAAGGCTATGAAGAAGGTAAAGTTCAAGGAAACAGGAATTCCT
 TGAGACATGTAAAAGCTACCCAGAAAGGGCTCTAAAGGGGAAAGAGTCAGGGAACCTTAGCACTTCTGAAAA
 ACATGTTCCCTATATAAAAAATCACCTAAAGACCTCTGAAAGAGAAAAAGGCAGGGAAAAACATGATTCC
 ATAAAAATACGGTCCCTATATAAAAACTTGCTATAGGGGTTCTGAAGTGAGAAAGCTCAGGAGAGCCAATA
 ATTGTACGAAGGCCATCAGCCGGCATGCTCAGCAGATATCTTTATAAAAAATTCACAAGGGGAGCCAAGT
 TTGCCGATGCAGTGAATGTGGTAAAAATGTTCCGAAATTCAGGTATTTCTCTGTCCATAAGAAGATCCAC
 ACAGGAGAACGGCCTTACATGTGTATGGCCTGTGGGAAAGCCTTTGTTTCAGAGCTCTTCCCTCACACAGC
 ATCTTAGAATTCATAGTGGAGAGAGACCATTTGAGTGTTTCAGAGTGTGGGAGGACTTTCAATGACCGCTC
 AGCCATCTCTCAACACCTGAGGACTCACACTGGAGCTAAGCCCTACCACTGTCAGCACTGTGGGAAAGCT
 TTCCGTCAGAGTTCCACCTTACCAGGCATGAGAGGACTCATACTGGGGAGCGACCATATGTGTGCAGCA
 ACTGTGGGAAGGCATTACACAGAGCTCACACCTTATTGGGCATCAGAAAACACACAGGATAAAATTCAA
 GAAGCAACCCAAATTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR209612 representing NM_001024775
 Red=Cloning site Green=Tags(s)

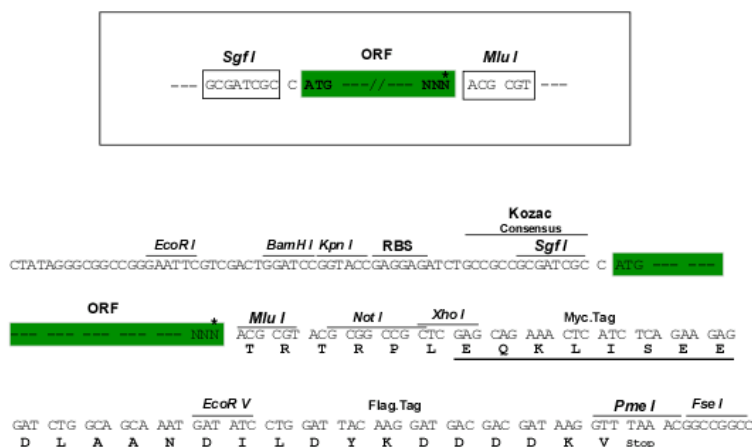
MASTLPTTWPHEVSVKFEDVSLTFTKEEWAQLDLQKCLYREIMMENYNMISVEHHFSKPNVISQLEAE
 DCWPMEREIRQDILPECSGSLDPMNSFPAESPLMKIKVVEVLTLNKDVAGPRNALIQSLYPESRENLN
 PGNLKPAPSKRLTDTEALRQKFRHFQYEEESAGPQKAVSRLRKLCQWLQPNIRSKKQIIELLVFEQFLS
 ALPEKFRVWLESQHPEDCRAAVALLNMTSVTKDDAQLVCSSEATDQLKEKRKDVATLPVTPPEEPVTF
 QDVAVGFSQEEWRLLGPVORTEYHDVMLETLGNLVSVGWEPTLENRAISPDSPIPVVKPIHDPNPKDLR
 NGIQSTVFEIISQDRVQEIHTIESNQAGLLQEKSHQKKLSESSKSQEGTNLHKSQGSLEVPVRKHVKV
 KQKGRTRGKDRKNTISMTRGLRIRNQKDSVEWQGRGDSNPMTHGYSIKNQRGSEQGTAGARRDPITLTV
 SAQFYQKATGSEEGFRDNSNAIVDPTPTKIHQKSPEWHKVGRSNMSSVQNDQMGSAGRGRDNTILT
 HALPVKIHQKGYEEGKVQGNRSLRHVKAHQKSGKGERVRELSTSEKHVPYIKNHLKTSEREKGRENDS
 IKYGPYIKTCYRGSEVRKLRRANNCTKAISRHAQQIFFIKIHKGSQVCRCECGKMFNRNRYFSVHKKIH
 TGERPYMCMACGAFVQSSSLTQHLRIHSGERPFECSECGRTFNDRSAISQHLRTHTGAKPYHCQHCCKA
 FRQSSHLTRHERHTHTGERPYVCSNCGKFTQSSHLIGHQKTHRIKFKKQPKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM 001024775

ORF Size: 2466 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_001024775.1](#), [NP_001019946.1](#)

RefSeq Size: 3014 bp

RefSeq ORF: 2469 bp

Locus ID: 308362

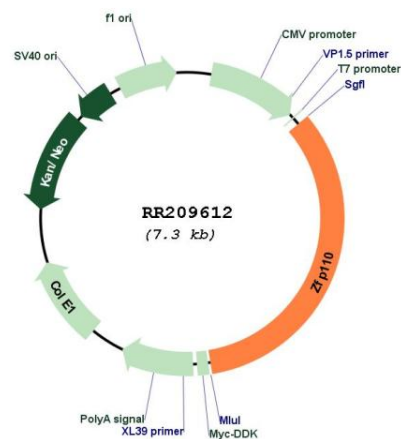
UniProt ID: [Q4V8E9](#)

Cytogenetics: 1q12

MW: 93.6 kDa

Gene Summary: Transcription regulator which may participate in NGFR/p75(NTR)-mediated apoptosis. Probably acts as a transcription repressor: specifically binds to the 3'-end of zinc-finger coding genes and recruiting chromatin-modifying proteins such as SETDB1 and TRIM28/KAP1, leading to transcription repression (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR209612