

Product datasheet for RC203558

ZNF414 (NM_032370) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: ZNF414 (NM_032370) Human Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: ZNF414
 Synonyms: ZFP414
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >RC203558 representing NM_032370
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGGAGAAACCCCTCAGGGCCCATCCCAGACATGCTGGCCACTGCAGAGCCCAGCTCCAGTGAGACCG
 ACAAGGAGGTGTTGTCCCCGGCTGTGCCAGCTGCAGCCCCTTCTCTCCATGTCGGAGGAGCCAGGCC
 TGAGCAGGCAGCCACACCGCCAGTGTGGGAACGTGGAGGGGTGGAGGGATGCAGCAGGGCTCCTCCCCA
 GCCCAGACAGCTGCCAGCCTGGCCCCGACCCAGCCCCTGGCCTGACCAGCATAGTCTCCGGGACCAGCG
 AGGACCTGCGGCCTCCCAGACGACGCCACCTCCAGGGAAGCAAATCCCTTGCTCCAGCCCTGGCTGCTG
 CCTCAGTTTTCCAGCGTCCGTGACCTGGCACAGCATCTGCGAACCCACTGCCCGCCACACAGTCCCTG
 GAAGGCAAGCTCTTCCGCTGCTCAGCCCTGAGCTGCACCGAGACCTTCCCAGCATGCAGGAGCTGGTGG
 CTCACAGCAAACCTGCACTACAAACCCAATCGCTACTTCAAGTGTGAGAACTGCCTCCTGCCTTCCGCAC
 GCACCGCTCGCTCTTCAAGCACCTGCATGTTTGC GCGGAGCATGCGCAGAGCCCAGCCCCGCCACCC
 CCGGCCCTGGACCGAGAGCCGCCCGCGCGGAGCGCCCCCGGAGGTTGACCCCGCATCAGCGCCGGGCC
 TGCCGTTCCCGCTGTGGAACCTTCACGACCCCCGCCCTGCCCCACCGGACCGTTCTGCCCTACTT
 GAACCTGCGCCCTTTGGCCTAAGCCCCCGCGCTGCGCCCTTCTGGCCGCTGCACCCGGGCCGCCG
 GCTTCCAGCGCCCGCTGAAAAAGAGCCAAGGTGCTGGCAGCAGCCCCGAAGACCCAGGGCGGCT
 CCGACGCCCTCAGGTGCGTGCAGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC203558 representing NM_032370
Red=Cloning site Green=Tags(s)

MEEKPSGPIPDMLATAEPSSSETDKEVLSPAVPAAPSSSMSEEPGEQAATPPVWERRGAGGMQQGSSP
 APDSCQPGPGSPGLTIVSGTSEDLRPPRRRPPGKQIPCCSPGCCLSFPSVRDLAQLRTHCPPTQSL
 EGKLFRCALSCTETFPMSQELVAHSLKHYKPNRYFKCENCLLRFTRHSLFKHLHVCAEHAQSPAPPPP
 PALDREPPAPERPEVDPASAPGLPFLLPEFTTPAPAPTGPFLPYLNPAPFGLSPRLRPFLAAAPGPP
 ASSAAVWKKSQGAGSSPRRPQGGSDAPSGACR

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_032370

ORF Size: 936 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_032370.3](#)

RefSeq Size: 1204 bp

RefSeq ORF: 939 bp

Locus ID: 84330

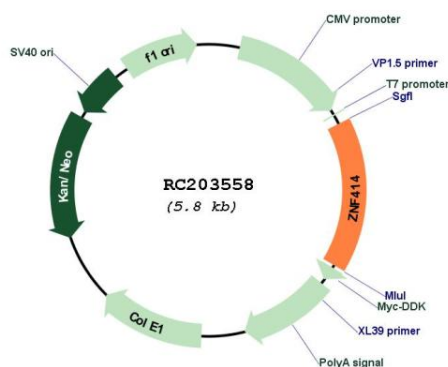
UniProt ID: [Q96IQ9](#)

Cytogenetics: 19p13.2

MW: 32.8 kDa

Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC203558