

Product datasheet for **RC214958**

ZNF384 (NM_133476) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF384 (NM_133476) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF384
Synonyms:	CAGH1; CAGH1A; CIZ; ERDA2; NMP4; NP; TNRC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RC214958 representing NM_133476
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAAGAATCTCACTTCAATTCTAACCCGTA TCTGTCCTTCTATCCCCACAGTCTCAGTCTCAGATCG
AGAACACAATGTTTCATCAACAAGATGAAGGATCAGCTGTTGCCAGAGAAGGGCTGTGGTCTGCCCCACC
TCACTACCCACCTTGTGACAGTGCCTGCCTCAGTGTCCCTGCCCTCAGGCATCAGTATGGACACAGAG
TCCAAGTCAGACCAGTGAACCCACACAGCAAGCGTCGGTTACCCAGAATATCAGGTTGTCCTGTGC
CGTCTACAGGACTGATGACTGCTGGAGTCTCCTGTTCAGAGGTGGAGAAGAGAAGGGAGTCAATCAAG
GGGTCCGGGTTTGTAATCACGTCCCCCTCAGGCTCTCTTGTCACACAGCATATCAGCTCAGACCTTC
CCCATTTTCGCTCCCATGATTGTCTCAGCTCTTCCCCTGGCTCACAAGCCCTGCAGGTTGTCCCTGACC
TCTCAAGAAGGTAGCATCGACCCTAACCGAGGAAGGAGGCGGAGTGGTGGTGGAGGTGCCAGTGTGGC
TCCTAAGCCACCCCGGGCCGGAAGAAGAAGCGGATGCTGGAATCAGGGCTGCCCGAGATGAATGACCCCT
TATGTCCCTCTCCCTGAGGATGATGATGACCATCAGAAAGACGGCAAGACCTACAGGTGCCGGATGTGCT
CACTGACATTCTACTCCAAGTCCGAGATGCAGATCCACTCCAAGTACACACCCGAGACCAAGCCCCACAA
GTGCCACATTGCTCCAAGACCTTCGCCAACAGCTCCTACCTGGCCCAGCACATCCGTATACACTCAGGG
GCTAAGCCCTACAGTTGTAACCTTCTGTGAGAAATCCTTCCGCCAGCTCTCCACCTTCAGCAGCACACCC
GAATCCACACTGGTGATAGACCATAAATGTGCACACCAGGCTGTGAGAAAGCCTTACACAACTCTC
CAATCTGCAGTCCACAGACGGCAACACAACAAGATAAAACCTTCAAGTCCACAACTGTATCGGGCG
TACACGGATGCAGCTCCTACTAGAGTGCACCTGTCTACGCACACAGTGAAGCATGCCAAGGTGTACACCT
GCCTATCTGCAGTCCGGCATACACATCAGAAACATACTTATGAAACATATGCGCAACACAACCCTGCC
TGATCTTCAGCAACAGGTGCAGGAGCAGCAGCAGCGGCAGCAGTGGCCAGGCCAGGCTCAAGCTCAA
GCCAGGCTCAGGCTCAGGCTCAAGCCAGGCCAGGCCAGGCCCTCCAGGCATCACAGCAGCAGCAGC
AGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAACAGCCACCACACTTCCAGTCTCCTGGGGCAGCCCC
CCAGGGTGGGGTGGTGGGGACAGCAATCCCAACCCTCCACCCAGTGTCTCTTTGACCTGACCCCGTAT
AAGACGGCGGAGCATATAAGGACATCTGCCTCACTGTACCACCAGCACCATCCAGGTGGAGCACCTGG
CCAGCTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC214958 representing NM_133476
Red=Cloning site Green=Tags(s)

MEESHFNSNPYFWPSIPTVSGQIENTMFINKMKDQLLPEKGCGLAPPHYPTLLTVPASVSLPSGISMDTE
SKSDQLPHSQASVTQNTIVVPVPSTGLMTAGVSCSQRWRREGSQRGPGLVITSPSGSLVTTASSAQTF
PISAPMIVSALPPGSQALQVVPDL SKKVASTL TEEGGGGGGGGSVAPKPPRGRKCRML ESGLPEMNDP
YVLSPEDDDDHQKDGKTYRCRMCSLTFYSKSEM QIHSKSH TETKPHKCPHC SKTFANSSYLAQHIRIHSG
AKPYSCNFCEKSFQRLSHLQQHTRIHGTDRPYKCAHPGCEKAFQQLSNLQSHRRQH NKDKPFKCHNCHRA
YTDAASLEVHLSHTVKHAKVYTCTICSRAYTSETYLMKHM RKHNPPDLQQVQAAAAA AVAQAQAQAQ
AQAQAQAQAQAQAQAQAQQQQQQQQQQQPPPHFQSPGAAPQGGGGGDSNPNPPQC SFDLTPY
KTAEHKDKICLTVTTSTIQVEHLASS

TRTRPLEQKLISEEDLAANDILDYKDDDDKDV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6742_h03.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_133476

ORF Size: 1548 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_133476.5](#)

RefSeq Size: 2906 bp

RefSeq ORF: 1551 bp

Locus ID: 171017

UniProt ID: [Q8TF68](#)

Cytogenetics: 12p13.31

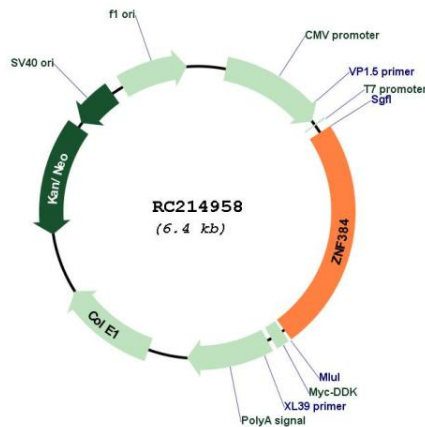
Domains: zf-C2H2

Protein Families: Transcription Factors

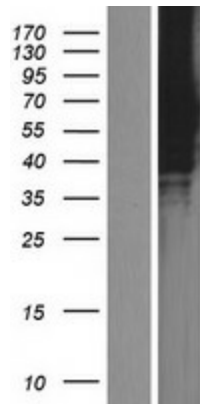
MW: 55.9 kDa

Gene Summary: This gene encodes a C2H2-type zinc finger protein, which may function as a transcription factor. This gene also contains long CAG trinucleotide repeats that encode consecutive glutamine residues. The protein appears to bind and regulate the promoters of the extracellular matrix genes MMP1, MMP3, MMP7 and COL1A1. Studies in mouse suggest that nuclear matrix transcription factors (NP/NMP4) may be part of a general mechanical pathway that couples cell construction and function during extracellular matrix remodeling. Alternative splicing results in multiple transcript variants. Recurrent rearrangements of this gene with the Ewing's sarcoma gene, EWSR1 on chromosome 22, or with the TAF15 gene on chromosome 17, or with the TCF3 (E2A) gene on chromosome 19, have been observed in acute leukemia. A related pseudogene has been identified on chromosome 7. [provided by RefSeq, Apr 2011]

Product images:



Circular map for RC214958



Western blot validation of overexpression lysate (Cat# [LY421852]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC216066] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).