

Product datasheet for **RC217984**

ZNF415 (NM_018355) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF415 (NM_018355) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF415
Synonyms:	Pact; ZfLp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC217984 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTTTTACTCAGTTGACATTCAGGGACGTGGCCATCGAATTCCTCAAGATGAGTGGAAATGCCTGA
 ACTCTACACAGAGGACTTTATACAGGGATGTGATGTTGGAGAAGTACAGGAACCTGGTCTCCCTGGATCT
 GTCTCGTAACTGTGTAATCAAGGAACTAGCACCACAACAGGAAGGTAACCCAGGAGAAGTATTCCACACA
 GTGACATTGGAACAACATGAAAAACATGACATTGAAGAGTTTTGCTTCAGGGAAATCAAGAAAAAATAC
 ACGACTTTGACTGTCAGTGGAGAGATGATGAAAGAAATGCAACAAAGTACTACGGCCCAAAAGAAAA
 TCTTACTTGTAGGAGAGACCAACGCGATAGAAGAGGTATAGGAAACAAGTCTATTAACATCAGCTTGG
 TTAAGCTTTCTACCACATCCCCATGAACTGCAGCAGTTTCAAGCTGAAGGGAAAAATTTATGAATGAACC
 ATGTTGAGAAGTCTGTCAACCATGGTTCCTCAGTTTACCACCCCAATAATTTCTTCTACCATCAAAC
 CCATGTTTCTAATAAATATGGGACTGATTCATCTGTTCTTACTACTCACACAAGAACAGAAATCATGC
 ATTAGGAAAAACCTTACAGATATATTGAGTGCACAAAGCCTTGAATCATGGCTCACACATGACTGTAC
 GTCAGGTAAGTCATTCTGGAGAGAAAGGATATAAATGTGATCTGTGTGGCAAGGCTTTAGTCAAAAATC
 AAACCTTGCGCGTCATTGGAGAGTTCATACTGGAGAGAAACCATACAAATGTAATGAATGTGACAGAAGT
 TTCAGTCGCAACTCATGCCTTGCCTACTCGGAGAGTTCACACTGGAGAGAAACCTTACAAATGTTATG
 AGTGTGACAAGGCTTTCAGTCGAAATTCATGCCTTGCCTACTACATCAGAAAACTCATATTGGAGAGAAAC
 TTACACATGTAAGAGTGTGGCAAAGCCTTTAGTGTGAGGTCAACACTTACCAACCATCAGGTAATTCAT
 AGTGGCAAGAAACCTTACAAATGCAATGAATGTGGCAAGGTGTTCAAGTCAAGCTTCAAGCTTCAAGCTT
 ATCAGAAATTCACACTGGGAGAAACCATAACAAGTGAATGAATGTGGTAAAGTCTTCAAGCTTCAAGCTT
 AAGCCTTGAAGGCAATTGGAGAATTCATACTGGAGAGAAACCTTACAAATGCAATGAATGTGGTAAAGTT
 TTCAGTTACAATTCACACCTTGCAGTATCGGAGAGTTCATACTGGAGAGAAACCTTACAAGTGAATG
 AGTGTGGAAAGCCTTTAGTGTGCATTGCAACTTAACTACCCATCAGGTATCCATACTGGAGAGAAAGCC
 TTACAAATGTAATCAATGTGGCAAAGGCTTCAAGTGTGATTCAAGCCTAACTACCCATCAGGTATCCAT
 ACTGGAGAAAAACCTTACAAATGTAATGAGTGTGGCAAATCCTTTAGTGTGCGCCAAACCTCACTAGAC
 ATCAGATAATCCATACTGGAAAGAAACCTTACAAATGATGATTGTGGGAAGTCTTTAGTGTGCGCC
 AAACCTTTCAGACATCAAATTATCCATACTAAGGAGAAACCTTATAAAAAGAAAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC217984 protein sequence
 Red=Cloning site Green=Tags(s)

MAFTQLTFRDVAIEFSQDEWKCLNSTQRTLYRDVMLENYRNLVSLDL.SRNCVIKELAPQQEGNPGEVFT
 VTLEQHEKHDIEEFQFREIKKKIHFDFCQWRDDERNCNKVTAPKENLTCRRDQRDRRGI.GNKSIIKHQLG
 LSFLPHPHLQFQAEQKIYECNHVEKSVNHGSSVSPPIISSTIKTHVSNKYGTFICSSLLTQEQKSC
 IREKPYRYIECDKALNHGSHMTVRQVSHSGEKGYKCDL.CGKVF.SQKSNLARHWRVHTGEKPYKCNECDRS
 FSRNSCLALHRRVHTGEKPYKCYECDKVF.SRNSCLALHQLTHIGEPYTKCEGKAF.SVRSTLTNHQVIH
 SGKKPYKCNECGKVF.SQTSSLATHQRIHTGEKPYKCNECGKVF.SQTSSLARHWRVHTGEKPYKCNECGK
 FSYNSHLASHRRVHTGEKPYKCNECGKAF.SVHSNLTTHQVIHTGEKPYKCNECGKVF.SVHSNLTTHQVIH
 TGEKPYKCNECGKSF.SVRPNL.TRHQIIHTGKKPYKSDCGKSF.SVRPNL.FRHQIIHTKEKPYKRN

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

ACCN: NM_018355

ORF Size: 1665 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_018355.3](#), [NP_060825.2](#)
RefSeq Size: 2313 bp

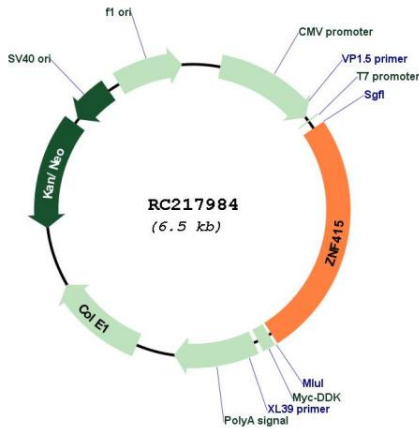
RefSeq ORF: 1668 bp

Locus ID: 55786

UniProt ID: [Q09FC8](#)

Cytogenetics: 19q13.42
Domains: KRAB, zf-C2H2
Protein Families: Transcription Factors
MW: 64.1 kDa
Gene Summary: Involved in transcriptional regulation. Transcriptional activity differed among the various isoforms. All isoforms except isoform 3 seem to suppresses the transcriptional activities of AP-1 and p53/TP53.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC217984