

## Product datasheet for **RC229284**

### **ZNF415 (NM\_001136038) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ZNF415 (NM_001136038) 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:**

>RC229284 ORF sequence, **codon optimized**.  
 Due to the complexity of NM\_001136038, the ORF clone is codon optimized for mammalian Expression.  
 The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGC**C

ATGGACGGTGACGGCCTCACGTTCCGCGACGTGGCTATTGAGTTCTCCAGGATGAGTGAAATGCTTGA  
 ACTCCACCCAGAGAACCCTCTACCGCGACGTGATGCTGGAGAACTATAGAACTTGGTGCATTGGACCT  
 CTCTCGGAATTGCGTGATAAAGGAGCTGGCCCCACAGCAGGAAGGAAACCCAGGAGAGGTGTTTCACACA  
 GTTACCCTCGAGCAACACGAGAAACACGATATCGAGGAATTTTGTTTTAGAGAAATTAAGAAGAAAATCC  
 ATGATTTGACTGTCAGTGGAGAGATGATGAAAGAAATTGCAACAAGGTGACAACAGCACCTAAGGAAAA  
 TCTTACTTGTGCGAGGGATCAACGCGACAGACGAGGGATTGGGAATAAAAGCATCAAACACCAGCTTGGC  
 CTGAGTTTCTGCCCCACCCACGAGCTCCAACAATTTAGGCTGAAGGTAAGATTTATGAATGCAACC  
 ATGTAGAGAAATCCGTAATCATGGGAGTTCCTGTCCACACCTCAGATTATCTCAAGTACCATCAAAC  
 GCATGTATCCAATAAGTACGGCACAGACTTCATCTGCTCCAGCCTTCTGACCCAAGAACAGAAAAGCTGC  
 ATACGAGAGAAGCCGTACAGATATCGAGTGTGACAAGGCTCTCAATCATGGGAGTCACATGACTGTTCC  
 GCCAGGTGAGCCACAGTGGAGAAAAGGGTTACAAATCGCATCTGTGTGAAAGGTATTTAGTCAAAGTTC  
 AAATCTTGCTAGACACTGGCGGGTGCACACCCGGAGAAAAGCCCTACAAGTGCAACGAGTCCGATCGGTCC  
 TTTTCCAGAAACTCTGCTGCGCTGCATCGCCGGGTGCATACGGGGGAAAAACCTTATAAGTGCTATG  
 AGTGCGATAAAGTTTTAGCCGCAATCTTGTCTGGCACTGCATCAGAAGACTCACATCGCGGAGAAAGCC  
 TTACACCTGTAAGAGTGCAGGAAAGCGTTCAGTGTCCGGTCTACTCTTACAAACCACAGGTCAATTCAC  
 AGTGGAAGAAGCCGTACAAGTGAACGAGTGCAGGAAAGGTTTTCTCACAACTCTTCCCTGGCCACAC  
 ATCAGAGGATTCACACTGGAGAGAAACCATAACAAGTGAACGAGTGCAGTAAAGGTGTTTTCCAAACATC  
 CTCCTTGTCCGATTGGAGAATTCACACCGGTGAGAACTTACAAATGTAACGAATCGGGGAAAGTA  
 TTCTTTATAACTCTCATCTGGCTTACACCGAAGAGTACACACAGGAGAAAAGCCTTACAAATGCAACG  
 AGTGTGGGAAAGCTTTCTCCGTGCATAGCAATTTACCACACACCAGGTGATACACTGGGAGAAACC  
 GTATAAGTGAATCAGTGCAGGAAAGGGTTCAGCGTGCATAGTAGTCTGACTACCCACCAGGTGATACAC  
 ACCGGAGAAAAGCCCTACAAGTGAACGAATGTGGCAAAAGTTTTAGTGTGCGGCCCAATCTGACACGGC  
 ACCAGATTATTCACACAGGCAAGAAACCATAACAAGTGTTCAGACTGTGGGAAAGTCCTTCAAGTGAAGGCC  
 TAACCTTTTTAGACACCAGATCATCCACACAAAAGAAAAGCCTTATAAGAGGAAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

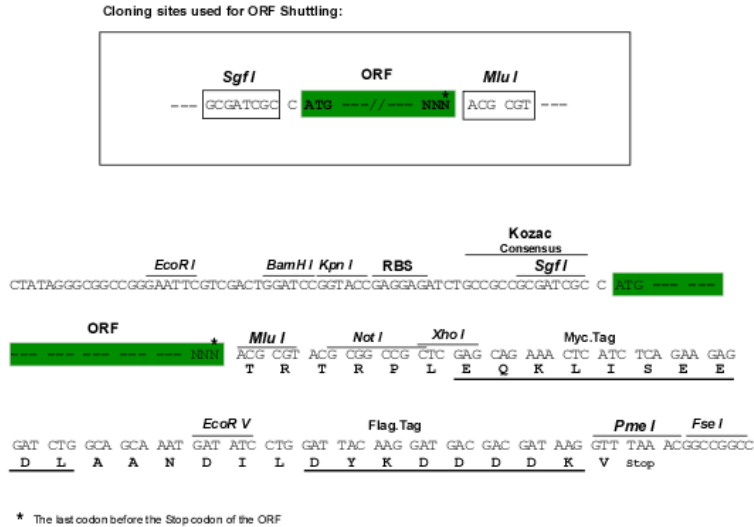
>RC229284 representing NM\_001136038  
 Red=Cloning site Green=Tags(s)

MDGDGLTFRDVAIEFSQDEWKCLNSTQRTL YRDVMLENYRNLVSLDL SRNCVIKELAPQQEGNPGEVFHT  
 VTLEQHEKHDIEEFCFREIKKKIHD FDCQWRDDERN CNKVTTAPKENLTCRRDQRDRRGIGNKSIKHQLG  
 LSFLPHPHLQQFQAEGKIYECNHVEKSVNHGSSVSPQIISSTIKTHVSNKYGTD FICSSLLTQE QKSC  
 IREKPYRIECDKALNHGSHMTVRQVSHS GEGYKCDL CGKVSQKSNLARHWRVHTGEKPYKCNECDRS  
 FSRNSCLALHRRVHTGEKPYKCYECDK VFSRNSCLALHQTHTIGE KPYTCKE CGKAFSVRSTL TNHQVIH  
 SGKKPYKCNECGKVSQTSSLATHQRIHTGEKPYKCNECGKVSQTSSLARHWRVHTGEKPYKCNECGKV  
 FSYNSHLASHRRVHTGEKPYKCNECGKAFSVHSNL TTHQVIHTGEKPYKCNCQCGKFSVHSSL TTHQVIH  
 TGEKPYKCNECGKFSVSRPNL TRHQI IHTGKKPYKCSDCGKFSVSRPNLFRHQI IHTKEKPYKRN

**TRTRP**LEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_001136038

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\\_001136038.2](#), [NP\\_001129510.2](#)

RefSeq Size: 2547 bp

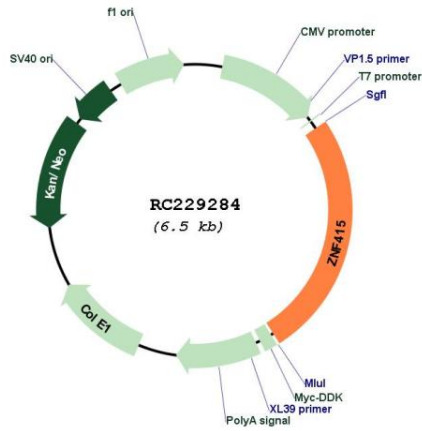
RefSeq ORF: 1668 bp

Locus ID: 55786

UniProt ID: [Q09FC8](#)

**Cytogenetics:** 19q13.42  
**Protein Families:** Transcription Factors  
**MW:** 64 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 RC229284