

Product datasheet for **RG229284**

ZNF415 (NM_001136038) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF415 (NM_001136038) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF415
Synonyms:	Pact; ZfLp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG229284 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**CGATCGCC**

ATGGACGGTGACGGCCTCACGTTCCGCGACGTGGCTATTGAGTTCTCCAGGATGAGTGAAATGCTTGA
 ACTCCACCCAGAGAACCCTCTACCGCGACGTGATGCTGGAGAACTATAGAACTTGGTGCATTGGACCT
 CTCTCGGAATTGCGTGATAAAGGAGCTGGCCCCACAGCAGGAAGGAAACCCAGGAGAGGTGTTTCACACA
 GTTACCCTCGAGCAACACGAGAAACACGATATCGAGGAATTTTGTTTTAGAGAAATTAAGAAGAAAAATCC
 ATGATTTGCGACTGTCAGTGGAGAGATGATGAAAGAAATTGCAACAAGGTGACAACAGCACCTAAGGAAAA
 TCTTACTTGTGCGAGGGATCAACGCGACAGACGAGGGATTGGGAATAAAAGCATCAAACACCAGCTTGGC
 CTGAGTTTCTGCCCCACCCACGAGCTCCAACAATTTAGGCTGAAGGTAAGATTTATGAATGCAACC
 ATGTAGAGAAATCCGTAATCATGGGAGTTCCTGTCCACACCTCAGATTATCTCAAGTACCATCAAAC
 GCATGTATCCAATAAGTACGGCACAGACTTCATCTGCTCCAGCCTTCTGACCCAAGAACAGAAAAGCTGC
 ATACGAGAGAAGCCGTACAGATATATCGAGTGTGACAAGGCTCTCAATCATGGGAGTCACATGACTGTTT
 GCCAGGTGAGCCACAGTGGAGAAAAGGTTACAATGCGATCTGTGTGAAAGGTATTTAGTCAAAGTC
 AAATCTTGCTAGACACTGGCGGGTGCACACCCGGAGAAAAGCCCTACAAGTGAACGAGTGGATCGGTCC
 TTTTCCAGAAACTCTTGCCTGGCGTGCATCGCCGGGTGCATACGGGGGAAAAACCTTATAAGTGCATG
 AGTGCGATAAAGTTTTAGCCGCAATCTTGTCTGGCACTGCATCAGAAGACTCACATCGCGGAGAAGCC
 TTACACCTGTAAGAGTGCAGGAAAGCGTTCAGTGTCCGGTCTACTCTTACAAACCACAGGTCAATCAC
 AGTGGAAGAAGCCGTACAAGTGAACGAGTGCAGGAAAGGTTTTCTCACAACCTCTTCCCTGGCCACAC
 ATCAGAGGATTCACACTGGAGAGAAACCATACAAGTGAACGAGTGCAGTAAAGGTGTTTTCCAAACATC
 CTCCTTGGCTCGGCATTGGAGAATTCACACCGGTGAGAAACCTTACAATGTAAACGATGCGGGAAAGTA
 TTCTTTATAACTCTCATCTGGCTTACACCGAAGAGTACACACAGGAGAAAAGCCTTACAATGCAACG
 AGTGTGGAAAGCTTTTCCGTGCATAGCAATTTACCACACACCAGGTGATACACTGGGGAGAAAC
 GTATAAGTGAATCAGTGCAGGAAAGGGTTCAGCGTGCATAGTAGTCTGACTACCCACAGGTGATACAC
 ACCGGAGAAAAGCCCTACAAGTGAACGAATGTGGCAAAAGTTTTAGTGTGCGGCCCAATCTGACACGGC
 ACCAGATTATTCACACAGGCAAGAAACCATACAAGTGTTCAGACTGTGGGAGTCCCTCAGTGAAGGCC
 TAACCTTTTTAGACACCAGATCATCCACAAAAAGAAAAGCCTTATAAGAGGAAT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG229284 representing NM_001136038
 Red=Cloning site Green=Tags(s)

MDGDGLTFRDVAIEFSQDEWKCLNSTQRTLYRDVMLENYRNLVSLDL SRNCVIKELAPQQEGNPGEV FHT
 VTLEQHEKHDIEEFCFREIKKKIHDFDCQWRDDERN CNKVTTAPKENLTCRRDQRDRRGIGNKSIKHQLG
 LSFLPHPHLQQFQAEGKIYECNHVEKSVNHGSSVSPQIISSTIKTHVSNKYGTDFICSSLLTQE QKSC
 IREKPYRIECDKALNHGSHMTVRQVSHSGEKGYKCDL CGKVF S QKSNLARHWRVHTGEKPYKCNECDRS
 FSRNSCLALHRRVHTGEKPYKCYECDKVF SRNSCLALHQKTHIGEPYTKCEGKAF SVRSTLTNHQVIH
 SGKKPYKCNECGKVF SQTSSLATHQRIHTGEKPYKCNECGKVF SQTSSLARHWRVHTGEKPYKCNECGKV
 FSYNSHLASHRRVHTGEKPYKCNECGKAF SVHSNLTTHQVIHTGEKPYKCNQCGKFSVHSSLTTHQVIH
 TGEKPYKCNECGKFSVSRPNLTRHQIHTGKKPYKCSDCGKFSVSRPNLFRHQIHTKEKPYKRN

TRTRPLE – GFP Tag – V

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:	<ol style="list-style-type: none">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
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]