

Product datasheet for **RG214053**

ZNF436 (NM_030634) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZNF436
Synonyms:	Zfp46; ZNF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence: >RG214053 representing NM_030634
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCAGCCACCCTGCTCATGGCTGGGTCCCAGGCACCTGTGACGTTTGAAGATATGGCCATGTATCTCA
 CCCGGGAAGAATGGAGACCTCTGGACGCTGCACAGAGGGACCTTTACCGGGATGTTATGCAGGAGAATTA
 TGGAAATGTTGCTCTCACTAGATTTTGAATCAGGAGTGAGAACGAGGTAATCCCAAGCAAGAGATTAGT
 GAAGATGTACAATTTGGGACTACATCTGAAAGACCTGCTGAGAAATGCTGAGGAAAAATCTGAAAGTGAAG
 AGGGCTTTGAAAGCGGAGATAGGTGAGAAAGACAATGGGGAGATTTAACAGCAGAAGAGTGGGTAAAGTA
 TCCTCTCCAACCAAGTCACTGATCTACTTTGCCAAAAGAAAGTCCACACAGGCATCCGCTATCATATATGT
 TCTCATTGTGGAAGGCCTTCAGTCAGATCTCAGACCTTAATCGACATCAGAAGACCCACACTGGAGACA
 GACCTATAAATGTTATGAATGTGGAAGAGGCTTCAGTCGACGCTCACACCTTATTCAGCATCAAAGAAC
 ACATACTGGGAGAGGCCTTATGACTGTAAAGAGTGTGGGAAAAGTTTGAAGAAGTTCTCACCTGATT
 CAGCATCAGACAATCCCACTGGAGAGAAGCCTCACAAATGTAATGAGTGTGAAAAAGTTTCTGCCGCTC
 TCTCTCACCTAATCCAACACCAAGGACCCACAGTGGTGAGAAACCTATGAGTGTGAGGAGTGTGGGAA
 AAGCTTCAGCCGGAGCTCTCACCTAGCTCAGCACCAGAGGACCCACACGGGTGAGAAACCTTATGAATGT
 AACGAATGTGGCCGAGGCTTCAGTGAGAGATCTGATCTCATCAACACTATCGAGTCCACACAGGGGAGA
 GGCCCTACAAGTGTGATGAGTGTGGGAAAGAACTTCAGTCAGAACTCCGACCTTGTGCGTCATCGCAGAGC
 CCACACGGGAGAGAAGCCATACCACTGTAACGAATGTGGGAAAATTTAGCCGCATCTCACACTTGTT
 CAGCACCAGAGAACTCACACTGGAGAGAAGCCATATGAATGCAATGCTTGTGGGAAAAGTTCAGCCGGA
 GCTCTCATCTCATCACACCAGAAAATTCACACTGGAGAGAAGCCTTATGAGTGTAAAGTGTGCGG
 AAGCTTTGGTGAAGGTGAGATCTAATTAACATCAGAGAACCACACAGGGGAGAAGCCCTACGAGTGT
 GTGAGTGTGGGAAAGTTTACCCAGAGCTCCAACTCATCACATCAAAGAGTTTACACGGGAGAGA
 AACCTTATGAATGTACGAATGTGAGAAGAGTTTCAGCAGGAGCTCAGCTCTTATTAACATAAGAGAGT
 TCATACGGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG214053 representing NM_030634
 Red=Cloning site Green=Tags(s)

MAATLLMAGSQAPVTFEDMAMYL TREEWRLDAAQRDL YRDVMQENYGNVSLDFEIRSENEVNPKEIS
 EDVQFGTTSERPAENAEENPESEEGFESGDRSERQWGLTAEWVSYPVLPVTDLLVHKEVHTGIRYHIC
 SHCGKAFSQISDLNRHQKTHGDRPYKCYECGKFSRSSHLIQHQRTHGERPYDCNECGKSFGRSSHLI
 QHQT IHTGEKPHKCNECGKSF CRLSHLIQHQRTHSGEKPYECEECGKFSRSSHLAQHQRTHGKPYEC
 NECGRGFSERSDLIKHYRVHTGERPYKDECCKNF SQNSDLVRHRAHTGEKPYHCNECGENFSRISHLV
 QHQRTHGKPYECNACGKFSRSSHLITHQKIHTGEKPYECNECWRSFGERSDLIKHQRTHGKPYEC
 VQCGKGTQSSNLITHQRVHTGEKPYECTECKSFSSSALIKHKRVHTD

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_030634

ORF Size: 1410 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).

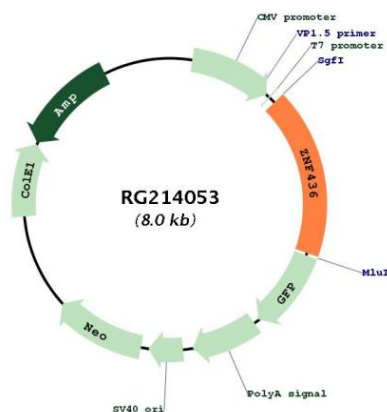
Reconstitution Method:

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_030634.1](#), [NP_085137.1](#)

RefSeq Size:	3884 bp
RefSeq ORF:	1413 bp
Locus ID:	80818
UniProt ID:	Q9C0F3
Cytogenetics:	1p36.12
Domains:	KRAB, zf-C2H2
Protein Families:	Transcription Factors
Gene Summary:	May be a transcriptional repressor.[UniProtKB/Swiss-Prot Function]

Product images:


Circular map for RG214053