

Product datasheet for **RG221669**

ZNF16 (NM_001029976) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF16 (NM_001029976) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF16
Synonyms:	HZF1; KOX9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>RG221669 representing NM_001029976
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGCCAGCCTCAGAACTCGCCGTGAGGAGGCAGAGATGGAGCTCTCAGTTCCAGGACCATCCCCCTGGA
CCCTGCAGCCCAGGCCGTGTGAGAGATGCTCCTGCTGTGACCCACCCTGGATCTGCAGCCTGTGGTAC
CCCCTGCTGTAGTGATACTGAGCTGGAAGCCATCTGCCCTCACTATCAGCAGCCAGATTGTGACACCAGG
ACTGAAGACAAGGAGTTTCTTCAACAAGGAAGACATTCATGAAGATTTGGAATCACAGGCAGAAAATACAG
AAAATATGCTGGTGATGTTCCAGGTACCCGAGCTTGGAGATCTGTGTGATGATGATCAGAAAAGAGA
CTGGGGAGTCCCCGAAGGCAGGAGGCTGCCACAGTCCCTCTCCAGGAGGGGGACTTCACACCAGCTGCC
ATGGGGCTCCTTAGGGGCCCTTAGGGGAGAAAGATCTGGACTGTAATGGTTTTGACAGTCGCTTCAGTC
TGAGCCCAAACCTGATGGCATGTCAGGAAATCCCTACAGAAGAGAGGCCACATCCATATGACATGGGTGG
CCAGAGTTTCCAGCACAGTGTGGACCTAACTGGTCATGAGGGGGTTCCCACAGCTGAAAGTCCACTCATA
TGTAATGAGTGTGGGAAAACCTTCCAAGGAAATCCTGACCTTATTCAGCGTCAAATAGTCCACACTGGGG
AGGCTTCCTTTATGTGTGATGATTGTGGGAAAACCTTCAGCCAGAACTCAGTTCTTAAAAACCGTACCG
ATCTCATATGAGTGAGAAAGCTTACCAGTGCAGCGAATGTGGGAAAGCCTTCCGAGGGCACTCAGACTTT
TCTAGGCATCAGAGTCACCACAGCAGTGAGAGGCCCTTATATGTGTAATGAATGTGGAAAAGCCTTCAGCC
AGAAGCTCGAGCCTTAAAAAGCACCAAAAGTCTCACATGAGTGAGAAGCCCTATGAATGCAATGAATGTGG
GAAGGCTTTTAGCGGAGCTCAAACCTCATCAACATCAAAGAATCCATTCTGGGGAGAAACCGTATGTG
TGCAGTGAGTGTGGGAAGGCCTTCAGCCGAAGCTCAAACCTCATCAAACACCACAGGACTCACACAGGAG
AGAAGCCTTTTGTAGTGTGGCGAGTGTGGGAAAGCCTTCAGCCAGAGTGCACACCTGAGGAAGCACCAGAG
GGTCCACACTGGAGAGAAGCCTTATGAGTGAATGATTGTGGCAAGCCCTTCAGTCGGGTCTCAAACCTC
ATTAAGCACACAGGGTTCACACTGGAGAGAAGCCCTATAAGTGCAGTACTGTGGGAAAGCATTATGTC
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AAAAGCCTTATGTTATAGCTCAGTGTCTCCGAAAGCACCAGATCATCCACACGGGAGAGAAGCCGTACAGA
TGCAGTGTCTGTGGGAAGGCCTTCAGCCACAGCTCAGCCCTCATTGAGCACCAGGGCGTGCACACAGGCG
ACAAGCCCTACGCCTGCCACGAGTGTGGGAAGACCTTTGGTCGCAGCTCAAACCTCATCCTTACCAGCG
AGTCCACACTGGAGAGAAGCCCTATGAATGTACTGAATGTGGAAAACCTTCAGCCAGAGCTCAACCCTC
ATTCAGCATCAGAGGATTCATAATGGGCTGAAGCCCCATGAATGTAACCAAGTGTGGTAAAGCCTTCAACC
GAAGCTCAAATCTCATTACCACCAGAAAGTTCATACTGGGGAAAACCTTACACCTGTGTTGAATGTGG
TAAGGGCTTCAGCCAGAGCTCACACCTCATTGAGCATCAGATAATCCACACGGGGGAGCGCCCTACAAA
TGCAGTGAGTGTGGGAAAGCCTTCAGTCAGCGTTCGGTCTCATCCAGCACCAGAGGATTCACACTGGGG
TGAAGCCCTATGACTGTGCTGCTGTGGGAAAGCCTTCAGCCAGCGATCAAAGTTGATCAAACACCAAGTT
GATTCACACCAGGGAA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG221669 representing NM_001029976
 Red=Cloning site Green=Tags(s)

MPSLRTRREEAEMELSVPGPSPWTPAAQARVRDAPAVTHPGSAACGTPCCSDTELEAICPHYQQPDCDTR
 TEDKEFLHKEDIHEDLESQAEISENYAGDVSQVPELGDLCDDVSRDWGVPEGRRLPQSLSQEGDFTPAA
 MGLLRGPLGEKDLDCNGFDSRFLSPNLMACQEIPTTEERPHYPDMGGQSFQHSVDLTGHEGVPTAESPLI
 CNECGKTFQGNPDLIQRQIVHTGEASFMCDDCGKTFSSQNSVLKNRHRSHMSEKAYQCSECGKAFRGHSDF
 SRHQSHHSSERP YMCNECGKAFSQNSSLKKHQKSHMSEKPYECNECGKAFRRSSNLIQHQR IHSGEKPYV
 CSECGKAFRRSSNLIKHHRTHTEGKPFECGECGKAFSSQSAHLRKHQRVHTGEKPYECNDCGKPF SRVSNL
 IKHHRVHTGEKPYKCSDCGKAFSSQSSSLIQHRR IHTGEKPHVCNVCGKAFSSVSVLRKHQI IHTGEKPYR
 CSVCGKAFSHSSALIQHQGVHTGDKPYACHECGKTFGRSSNLIHQHQRVHTGEKPYECTECGKTFSSSTL
 IQHQR IHNGLKPHECNCGKAFNRSSNLIHHQKVHTGEKPYTCVECGKGFSSSHLIQHQR IHTGERPYK
 CSECGKAFSQRVSLIQHQR IHTGVKPYDCAACGKAFSQRSKLIKHL IHTRE

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001029976

ORF Size: 2046 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_001029976.3](#)

RefSeq Size: 2632 bp

RefSeq ORF: 2049 bp

Locus ID: 7564

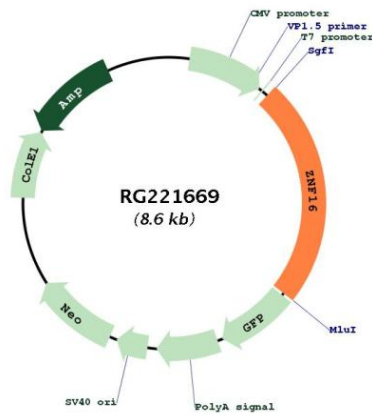
UniProt ID: [P17020](#)

Cytogenetics: 8q24.3

Protein Families: Transcription Factors

Gene Summary: The protein encoded by this gene contains multiple tandem zinc finger motifs. The encoded protein is involved in the differentiation of erythroid and megakaryocytic cells. This gene is located in a cluster of related genes on chromosome 8 encoding zinc finger proteins. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2012]

Product images:



Circular map for RG221669