

Product datasheet for **RG205600**

ZNF165 (NM_003447) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF165 (NM_003447) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF165
Synonyms:	CT53; LD65; ZSCAN7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG205600 representing NM_003447
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTACAGAACCAAAGAAAGCTGCAGCCAGAACTCTCCAGAGGATGAAGGACTTCTGATAGTGAAGA
 TAGAAGAGGAAGAATTTATCCATGGGCAGGACACTTGCTTACAGAGAAGTGAACCTTAAGCAGGAGCT
 CTGCAGGCAGCTTTTTAGGCAGTTCTGCTACCAGGATTCTCTGGACCTCGCGAGGCACTGAGCCGCTC
 CGGGAGCTCTGCTGTCAGTGGCTGAAGCCAGAGATCCATACCAAGGAACAGATTCTGGAAGTCTGGTGC
 TAGAGCAGTTCTGACCATCCTGCCAGGAGATTGCGAGGCTGGGTACATGAACATTACCCAGAGAGTGG
 AGAGGAGGCAGTGACCATACTAGAAGATTTGGAGAGAGGCACTGATGAAGCAGTACTCCAGGTTCAAGCC
 CATGAACATGGACAAGAAATATCCAGAAAAAGTGTACCTCCTGGACCAGCACTTAATGTCAAGTTAC
 AGCCAGTGGAGACCAAGGCCATTTTGATTTCATCAGAACCCAGCTCCTATGGGACTGTGATAATGAGAG
 TGAACACAGTAGATCCATGCCAAAGCTGGAAATTTTGAATAATGAATCACAGAGAATTATATCTGGA
 AGAATCTCAGGATACATATCAGAAGCGTCTGGTAGTCTCAAGACATCTGTAAGTCTGCAGGCAGGGTAA
 AGAGACAATGGGAAAAAGAAATCAGGGGAGTCTCAGAGACTCTCGTCTGCCAGGATGAAGGTTTTGGTAA
 AATCCTCACCCACAAAAATACAGTCAGAGGTGAAATAAAGCCACGATGGATGTGAGAGGAGATTAAT
 CTGAACTCAAATGAATTCACACACCAGAAATCTTGTAACATGGTACCTGTGACCAGAGCTTCAAATGGA
 ACTCAGATTTTATTAACCATCAAATAATTTATGCTGGAGAAAAAATCACCAATATGGAAAAATCTTTCAA
 GAGCCAAAACTTGCTAAACATGCAGCAGTTTTTCAGTGGAGATAAAACTCATCAGTGAATGAATGTGGG
 AAAGCTTTCAGGCACAGCTCAAACTTGCTAGGCATCAGAGAATCCACTGGAGAGAGATGCTATGAAT
 GTAATGAATGTGGGAAAAGCTTTGCAGAGAGCTCAGATCTTACTAGACATCGGCGAATTCACACTGGGA
 AAGACCCTTTGGTTGCAAGAATGTGGAGAGCATTCAACCTGAACCTCACATCTTATCAGGCATCAGAGA
 ATTCACACCAGAGAGAAACCCTACGAGTGTAGTGAATGTGGGAAAACCTCCGAGTGTGAGCTCACATCTTA
 TTCGACTTTAGAATTCACACTGGAGAAAAACCTATGAATGCAGTGTGGAAGAGCCTTCAGTCA
 GAGCTCAAACCTTAGTCAACACCAGAGAATTCACATGAGGGAAAACCTATTAATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG205600 representing NM_003447
 Red=Cloning site Green=Tags(s)

MATEPKAAAQNSPEDEGLLIVKIEEEFIHGQDTCLQRSELLKQELCRQLFRQFCYQDSPGPREALSRL
 RELCCQWLKPEIHTKEQILELLVLEQFLTILPGDLQAWVHEHYPESGEEAVTILEDLERTDEAVLQVQA
 HEHGQEIFQKKVSPPGPALNVKLQPVETKAHFDSSEPQLLWDCDNESENSRSMPLKIEFEKIESQRIISG
 RISGYISEASGESQDICKSAGRVKRWKEKESGESQRLSSAQDEFGKILTHKNTVRGEIISHDGCERRLN
 LNSNEFTHQKSKHGTCQSFKWNDFINHQIYAGEKNHQYGKSFKSPKLAKHAAVFSGDKTHQCNECG
 KAFRHSSKLARHQRIHTGERCYECNECGKSF AESSDLTRHRRHTGERPFGCKEKGRAFNLNSHLIRHQ
 IHTREKPYECSECGKTFRVSSHLIRHFRHTGKPYECSECGRAFSSNL SQHQRIHMRENLLM

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_003447

ORF Size: 1455 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_003447.2](#), [NP_003438.1](#)

RefSeq Size: 2668 bp

RefSeq ORF: 1458 bp

Locus ID: 7718

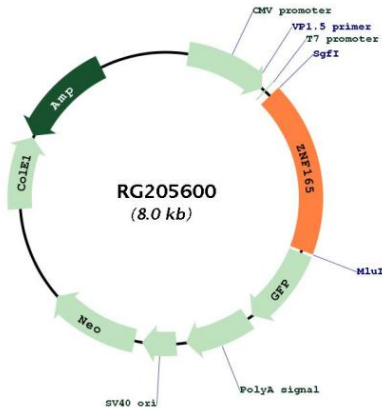
UniProt ID: [P49910](#)

Cytogenetics: 6p22.1

Protein Families: Stem cell - Pluripotency, Transcription Factors

Gene Summary: This gene encodes a member of the Kruppel family of zinc finger proteins. Members of this DNA-binding protein family act as transcriptional regulators. This gene is located within a cluster of zinc finger family members. The encoded protein may play a role in spermatogenesis. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG205600