

Product datasheet for **RG214941**

ZNF665 (NM_024733) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZNF665
Synonyms:	ZFP160L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG214941 ORF sequence, **codon optimized**.
 Due to the complexity of NM_024733, 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)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGCGCTGCCGAGGGTCAGCTTACTTTCAAAGACGTCGCCATTGAATTTTCTCAGGAAGAATGGACCT
 GGCTGGATCCTGCACAAAAGACGTTGTACAGAGATGTGATGCTTGAAAACATATCGGAATCTTGCTCTCCTT
 GGATATCAGTTGCAATGTGTCAACACAGACTTGCCCCCTAAGGGCAAGAACAACATGGGTGAGGCTTTT
 TACACCGTAAAGTTGGAGAGACTTGAGTCTTGACACCGCCGGCTCTCATTTCAGAGGTCCAAAAA
 ACACCTACGACTTTGAATGTCAAGTGAAGATGACGAGGGCAATTACAAAACCGTCTCATGCTGCAGAA
 GGAAAACTGCCTGGTCGACGCGCACAGCGCATCGGGCGCGCCGGGAAACCGACATATTGAAAATCAG
 CTTGGAGTAAGCTTTCAATCTCATCTCCCAGAGCTGCAGCAGTTTCAGCGAGAAGGCAAGATATATGAGT
 ATAACCAAGTTGAGAAGTCACCAACAACAGAGGGAAGCATTACAAATGCGATGAGTGCGGTAAAGTATT
 CTCTCAGAATAGCAGACTGACCAAGTCACAAACGCATTACACTGGCGAAAAGCCTTACCAATGTAACAAG
 TGTGGGAAGGCTTTTACCGTCCGACGTAACCTGACCATTCACCAAGTGATCCACACCGCGGAAAAGCCCT
 ATAAGTGAACGAATGTGGAAAGTGTTCCTCAGCCTTCAAACCTTGCTGGCCATCAGCGCATCCATAC
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 CAGGTCACTCACCGGGAGAAAAGCCATATAAATGCAAGGAATGTGGCAAGTGTTCACCCAAAACCTCTC
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 CAGCGTGCGATCTCTCTTACAACCATCAGACAATTCATACAGGTGAGAAACCTACAAGTGCAACGAA
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 ATAAATGCAACGAGTGTGGTAAGGCTTTTCTATGCATTCTAACCTGACCAAGCATCAGATTATACACAC
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 CTCTGACTACACATCAAGCCATTACACCGGCGAAAAACCTACAATGTAACGACTGTGGCAAGGTGTT
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 TGCGGAAAAGCCTTTTCTCAGACCTCCAGCTGGCCCGGCACTGGAGAGTGCATACAGGGGAAAAACCTT
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 TGGACAGAAACCTATAAGTGAACGATTGTGGCAAAGTGTCCGCCACAATTCCTACTTGGCAATCCAC
 CAGCGCATCCCACTGGCGAAAAGCCCTACAAATGCAATGAGTGCGGCAAGGCTTTCTCCGTCCACTCTA
 ATTTGGCTACACACCAAGTAATTCATACCGGCGAAAAACCTATAAGTGCAACGAGTGTTGGGAAAGTTT
 CACCCAGAACTCTCACCTCGCAACCAACCGCCGATTTCATACGGGCGAGAAACCTATCGATGCAATGAG
 TGTGGCAAAGCCTTTTCAAGTAAAGGACACACTGACCACACATGGCTATCCCACTGGAGACAAACCT
 ACAAGTGCAACCAATGTGGTAAGGTCTTCACTCAAAACAGCAATCTGGCTAAACATAGAAGGATCCACT
 AGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG214941 representing NM_024733

Red=Cloning site Green=Tags(s)

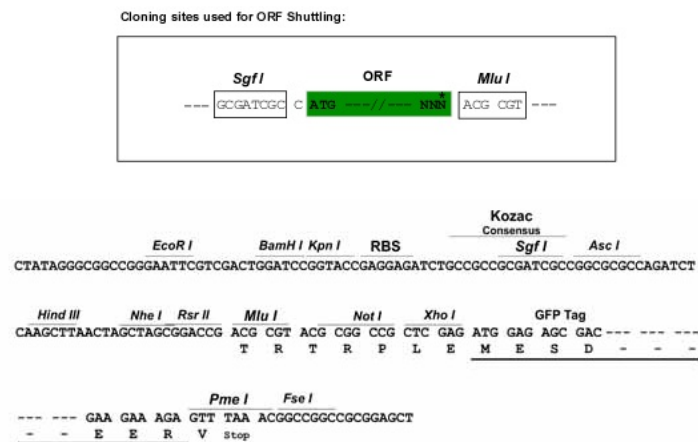
MALPQQQLTFKDVAIEFSQEEWTCLDPAQKTLYRDVMLENYRNLVSLDISCKCVNTDLPPKGKNNMGEAF
YTVKLERLESCDTAGLSFQEVQKNTYDFECQWKDDEGNYKTVLMLQKENLPGRRAQRDRRAAGNRHIENQ
LGVSFQSHLPQLQFQREGKIYEYNQVEKSPNNRGKHYKCDECGKVF SQNSRL TSHKRIHTGEKPYQCNK
CGKAF TVRSNL TIHQVIHTGEKPYKCNECGKVF SQPSNL AGHQRIHTGEKPYKCNECGKAFRAHSLKLTTH
QVIHTGEKPYKCKECCGKCTQNSHLASHRRIHTGEKPYKCNECGKAF SVRSSL TTHQTIHTGEKPYKCNE
CGKVFRHNSYLAHHRRIHTGEKPYKCNECGKAF SMHSNL TKHQIHTGEKPFKNECVKVF TQYSHLANH
RRIHTGEKPYRCDECGKAF SVRSSL TTHQAIHTGEKPYKCNDCKGVFTQNSHLASHRGIHSGEKPYKCDE
CGKAF SQTSQ LARHWRVHTGEKPYKCNECGKAF SVHSSL TIHQTIHTGQKPYKCNDCKGVFRHNSYLAIH
QRIHTGEKPYKCNECGKAF SVHNSLATHQVIHTGEKPYKCNECGKVF TQNSHLANHRRRIHTGEKPYRCNE
CGKAF SVRSTLTTHMAIHTGDKPYKCNQCGKVF TQNSNLAKHRRIHSG

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_024733

ORF Size:

2034 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:

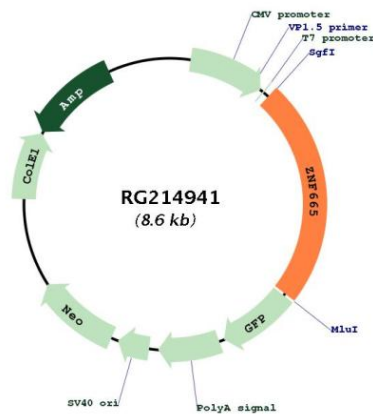
This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	<u>NM_024733.2, NP_079009.2</u>
RefSeq Size:	4158 bp
RefSeq ORF:	2037 bp
Locus ID:	79788
UniProt ID:	<u>Q9H7R5</u>
Cytogenetics:	19q13.42
Domains:	zf-C2H2
Gene Summary:	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG214941