

Product datasheet for **RC223565**

ZNF257 (NM_033468) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF257 (NM_033468) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF257
Synonyms:	BMZF-4; BMZF4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC223565 ORF sequence, **codon optimized**.
 Due to the complexity of NM_033468, 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)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGGACCCCTTACCATCCGGGATGTGACAGTTGAATTCTCACTGGAAGAATGGCATTGTCTCGATACTG
 CCCAGCAGAACCTGTATCGAGATGTCATGTTGGAGAACTACCGAAATCTGGTTTTCTGGGTATTGCAGT
 GAGCAAACTGATCTCATTACATGCTTGGAGCAGGGCAAGGAGCCGTGTAATATGAAAAGACACGAAATG
 GTTGCAAAACCACCATGTCATGTGTTACACATCGCGGAGGACCTTGGCCAGAGCGCGACATTAAGTATT
 TCTTCCAGAAGGTAATACTGAGGAGATATGACAAATGTGAACACGAAAACCTCCAGCTCAGGAAGGGATG
 CAAGAGTGTGGATGAATGTAAGGTCTGCAAGGGCGGTTACAACGGCCTGAACCAATGTCTTATTACGACT
 CAGAGTAAATGTATCAGTGTGACAAATACGTCAAAGTCTTTACAAGTTTAGCAATTCGACCGCCACA
 AAATAAGGCACACTGAAAAGAAGACCTGTAATGTAAGGAATGTGGCAAAAGCTTCTGTATGCTCAGCCA
 GCTTACCAGGCATAAACGAATACATATTCGAGAGAATAGTCACAAGTGCGAGGAATGTGGAAAGGCTTTT
 AATCAGAGTTCGCATTGACACGGCACAAGATGACACATACAGGTGAGAAGCCGTATAAGTGTGAGGAGT
 GCGGGAAGGCATTTAACCGCTCCTCTCACCTGACTCAACACAAAGTTATCCACACAGGAGAAAAGCCGTA
 TAAGTGCGAAGAATGTGGCAAGGCCTTCAATAGGAGCTCTCACATTACCCAACATAAGCGGATCCATAAT
 CGGGAGAAGCCCTTTAAATATGATGAGTGTGCAAGGCCTTCAAGTGGAGTTCAGCTCTGACTACACTGA
 CACAGCACAAGCGGATCCATACCGGGGAGAAGCCATACAAATGCGAAGAATGCGGTAAGGCATTCAATCA
 GTCTTCAGCTCTGACCAGGCACAAGATGATCCACACCGGAGAGAAAACCTTTCCAGTGTGAGGAGTGTGGG
 AAGGCATTTAATCGAAGTAGCCACCTGACTCAGCACAAAATTATCCATACAAAAGAAAAACCGTACAAGT
 GTGAAGAGTGCAGGAAGGCTTTTAAACCGAAGCAGTCACTTGACGAAGCATAAGAGAATACACACCAGAGA
 GAAAGCATATAAATGCGACGAATATTGTAAGGCCTTCAATTGGTCTTCCGCACTGACCACCCTTACCCAG
 CACAAGATCATCCATACAGGTGAGAAGCCCTACAAGTGCAGGAATGTGGCAAAGCATTTAACCGGTCTT
 CTTACCTGATTAGACATAAAATCATCCACACAGGGGAGAAGCCCTACAAGTGCAGAGAGTGCAGCAAGGC
 CTTCAATCAGTCCAGCCACCTCACGCAGCATAAGATCATCCACACAGGAGAAAAGCCATACAAGTGTGAA
 GAATGTGGAAGGCTTTCAATCGGAGCTCACATCTCTCACAGCACAAGATCATCCATACGGGGGAGAAGC
 CTTATAAGTGTGAGGAGTGTGGAAGGCCCTTAAACCGATTCTCCTACCTGACCGTCCATAAAGGATCCA
 TGCCGGAGAAAACCCCAACAAGTATGAGGAATGTGGGAAAGCCTGCAATCATTCTTCAACCTTACTAAA
 CATAATAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC223565 representing NM_033468
 Red=Cloning site Green=Tags(s)

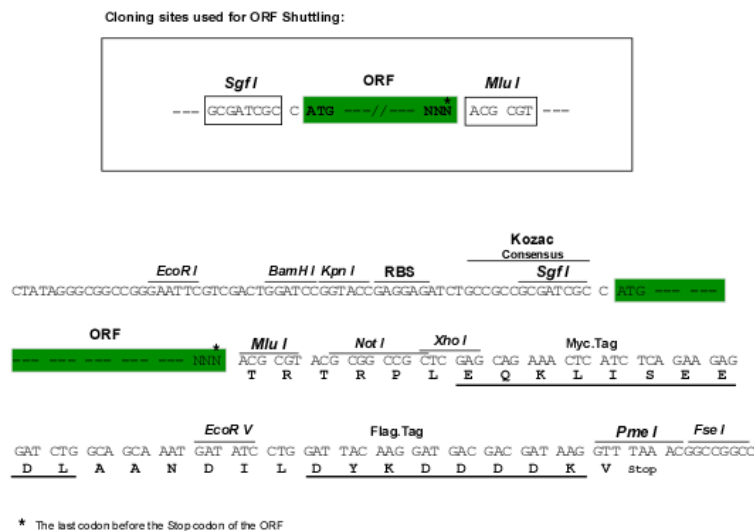
MGPLTIRDVTVEFSLEEWHLCLDTAQQLYRDVMLENYRNLVFLGIAVSKPDLITCLEQGKEPCNMKRHEM
 VAKPPVMCSHIAEDLCPERDIKYFFQKILRRYDKCEHENLQLRKGCKSVDECKVCKGGYNGLNQCLITT
 QSKMYQCDKYVKVYKFNSDRHKIRHTEKKTCKCKEKGKSFCLMSQLTRHKRIHIRENSHKCEECGKAF
 NQSSALTRHKMHTGEKPYKCEECGKAFNRSSHLTQHKVIHTREKPYKCEECGKAFNRSSHLTQHKRIHN
 REKPFKYDECCAKFWSSALTTLTQHKRIHTGEKPYKCEECGKAFNQSSALTRHKMIHTGEKPFQCEECG
 KAFNRSSHLTQHKIHTGEKPYKCEECGKAFNRSSHLTKHKRIHTREKAYKCDEYCKAFNWSSALTTLTQ
 HKIHTGEKPYKCEECGKAFNRSSYLIRHKIHTGEKPYKCEECGKAFNQSSHLTQHKIHTGEKPYKCE
 ECGKAFNRSSHLTQHKIHTGEKPYKCEECGKPFNRFSYLVHKRIHAGENPNKYEECGKACNHSSNLTK
 HNS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_033468

ORF Size: 1689 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_033468.2](#), [NM_033468.3](#), [NP_258429.2](#)

RefSeq Size: 3550 bp

RefSeq ORF: 1692 bp

Locus ID: 113835

UniProt ID: [Q9Y2Q1](#)

Cytogenetics: 19p12

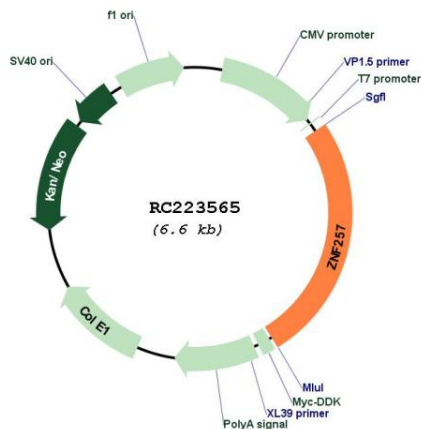
Domains: KRAB, zf-C2H2

Protein Families: Transcription Factors

MW: 65.8 kDa

Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC223565