

Product datasheet for **RC220845**

ZNF664 (NM_152437) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF664 (NM_152437) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF664
Synonyms:	ZFOC1; ZNF176
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC220845 ORF sequence, codon optimized . Due to the complexity of NM_152437, 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**CGATCGCC**

ATGATCTATAAATGCCCAATGTGCAGGGAATTCCTTAGTGAGAGGGCCGATCTGTTTATGCATCAAAGA
TTCATACCGCTGAAAAGCCCCACAAGTGCATAAATGCGACAAGGGATTCTCCATATATCCGAATTGCA
TATCCACTGGCGGGATCACACCGGGGAAAAAGTGTACAAATGTGATGACTGCGGAAAGGACTTTCCACC
ACAACCAAAGTGAATAGGCATAAGAAGATTCACACAGTTGAGAAGCCCTACAAATGTTATGAGTGCGGCA
AGGCCTTTAAGTGGTCACTCCACCTGCAGATTCACATGCGAGTGCATACTGGGGAGAAGCCTTACGTATG
TTCTGAGTGCGGGCGAGGCTTTAGCAATCCAGCAACCTTTGCATGCACCAAAGAGTACACACTGGGGAG
AAACCTTTAAGTGCGAAGAGTGTGAAAGGCTTTCCGCCATACGAGTTCCCTGTGCATGCACCAGAGGG
TTCATACGGGAGAAAAGCCCTATAAGTGCTATGAATGTGGAAAGCCTTTAGCCAAAGCAGTTCCCTCTG
CATACACAGAGGGTGCATACAGGCGAAAAGCCATATCGCTGCTGTGGCTGCGGAAAAGCCTTCTCCCAA
AGCTCTTCACTGTGCATTATCAAGGGTCCACACGGGCGAGAAGCCGTTCAAATGTGACGAATGTGGGA
AGGCCTTCTCCAGTCAACCTCCCTGTGTATCCACAGAGAGTACATACAAAAGAGCGGAACCACTTGAA
AATATCCGTGATA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC220845 representing NM_152437
 Red=Cloning site Green=Tags(s)

MIYKCPMCREFFSERADLFMHQKIHTAEKPHKCDKCDKGFFHISELHIHWRDHTGEKVYKDDCGKDFST
 TTKLNRHKKIHTVEKPYKCYECGKAFNWSSHLQIHMRVHTGEKPYVCSECGRGSNSSNLCMHQRVHTGE
 KPFKCEECGKAFRHTSSLCMHQRVHTGEKPYKCYECGKAFSQSSSLCIHQRVHTGEKPYRCCGCGKAFSQ
 SSSLCIHQRVHTGEKPFKCEECGKAFSQSTSLCIHQRVHTKERNHLKISVI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_152437

ORF Size: 783 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_152437.1](#), [NM_152437.2](#), [NP_689650.1](#)

RefSeq Size: 4312 bp

RefSeq ORF: 786 bp

Locus ID: 144348

UniProt ID: [Q8N3J9](#)

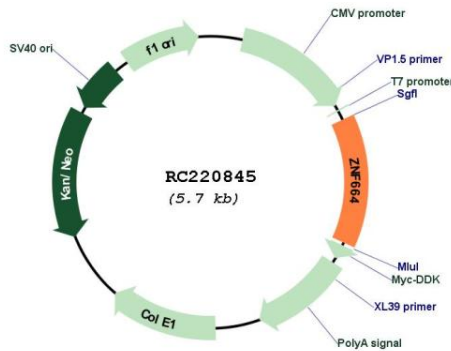
Cytogenetics: 12q24.31

Domains: zf-C2H2

MW: 30.3 kDa

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

Product images:



Circular map for RC220845