

Product datasheet for **RC209006**

ZNF564 (NM_144976) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF564 (NM_144976) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF564
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC209006 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGGACTCAGTGGCCTCTGAGGATGTGGCTGTGAACCTCACACTTGAGGAGTGGCCTTTGCTGGATCCTT
 CCCAGAAGAACTCTACAGAGATGTGATGCGGGAAACCTTTAGAAACCTGGCCTGTGTAGGAAAAAATG
 GGAAGACCAGAGCATTGAAGATTGGTACAAAAATCAGGGGAGAATTTTAAAGAAATCATATGGAAGAGGGA
 CTCAGTGAAGTAAGAAATATGATCAATGTGGAGAAGCCTTCAGTCAGATTCTCAATCTTAATCTGAACA
 AGAAAAATCCTACTATAGTAAGACCATGTGAATGTAGTTGTGTGGGAAAGTCTTCATGCATCATTCATC
 CCTTAGTAGGCACATCAGATCTCACCTTGGACACAAACCATATGACTATCAGGAATATGGAGAGAAACCA
 TATAAATGTAAGCAGTGTGGGAAAGCCTTCAGTCTTGTCAATCCTTTGGAAGACATGAAAGAACTCACA
 CTGGTGAGAAACCTATGCATGTCCGAATGTGGGAAAGCCTTCATTTCTCTCCAAGTGTTCGAAGACA
 CATGATTAAGCACACTGGAGATGGACCATATAAATGTCAGGAATGTGGGAAAGCCTTTGATCGCCAAGT
 TTATTTTCAGATACATGAAAGAACTCACACTGGAGAGAAACCTATGAATGTCAGGAATGTGCAAAAGCTT
 TCATTTCTCTTCCAAGTTTTCAAGACACATGATTAGGCACACTGGAGATGGACCTTATAAATGTCAGGA
 ATGTGGAAAGCCTTTGACCGCCCCAGTTTATTTTCAATACATGAAAGAACTCATACTGGAGAGAAACCC
 CATGAATGTAAACAGTGTGGGAAAGCCTTCATTTCTTTCAAAATTTTCAAAGTCATATGATTAGGCACA
 CTGGGGATGGACCTTATAAATGTAAAGTATGTGGGAGAGCCTTTATTTTCCCAGTTATGTTTCAAGGACA
 TGAAAGAACTCATACTGGGAGAAACCTATGAATGTAATAAATGTGGTAAACCTTCAGTCTTCCAGT
 AATGTTTCAACACATGAAAGGACTCACACTGGAGAGAAGCCTATGAATGTAAGGAATGCGGGAAAGCCT
 TCATTTCTCTCCAAGTGTCCGAAGACACATGATAAAGCACACTGGAGATGGACCTTATAAATGTCAGGT
 ATGTGGTAGAGCCTTTGACTGTCCAGTTCATTTCAAATACACGAAAGAACTCACACTGGAGAGAAACCC
 TATGAATGTCAGGTATGTGGGAAAGCCTTCATTTCTTAAAAGGATTAGAAAACATATGATACTGCACA
 CTGGAGATGGACCTTATAAATGTCAGGTATGTGGTAAAGCCTTTGACTGTCTAGTTCTGTCCGAACACA
 TGAAAGAACTCATACTGGAGAGAAACCTATGAATGTAAGAAATGTGGGAAAGCATTCAATTATGCCAGT
 TCCATTAGAATACATGAAAGAACTCATACCGAGAGAAACCTATGAATGTAAGCAATGTGGAAAAACGT
 TCAGTTATTCCAGTTCCTTTCAAAGACATGAAAGAGCTCATAATGGAGATAAACCTTACGTAAGAAATGT
 GGGAAAGCTTTCATTTATCACACAACCTTCGAATACCTGTGAAATGAA

ACGCGTACGCGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC209006 protein sequence
 Red=Cloning site Green=Tags(s)

MDSVASEDVAVNFTLEEWALLDPSQKKLYRDMRETFRNLACVGKKWEDQSIEDWYKNQGRILRNHMEEG
 LSEKEYDQCGEAFSQILNLLNKKIPTIVRPCECSLCKGVFMHHSSLRHIRSHLGHKPYDYQEYGEKP
 YKCKQCGKAFSSQSFRHERHTHTGEKPYACPECGKAFISLPSVRRHMIKHTGDGPYKQCECGKAFDRPS
 LFQIHERHTHTGEKPYECQECAKAFISLPSFQRHMIRHTGDGPYKQCECGKAFDRPSLFRIHERHTHTGEK
 HECKQCGKAFISFTNFQSHMIRHTGDGPYKCKVCGRAFIKPSYVRKHERHTHTGEKPYECNKCGKTFSSSS
 NVRTHERHTHTGEKPYECKECGKAFISLPSVRRHMIKHTGDGPYKQVCGRAFDPCSSFQIHERHTHTGEK
 YECQVCGKAFISLKRIRKHMILHTGDGPYKQVCGKAFDCPSSVRTHERTHTGEKPYECKECGKAFNYAS
 SIRIHERHTHTGEKPYECKQCGKTFSSSFQRHERAHNGDKPYVKNVGLSFITQPSNTCENE

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6707_h11.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_144976

ORF Size: 1659 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_144976.4](#)

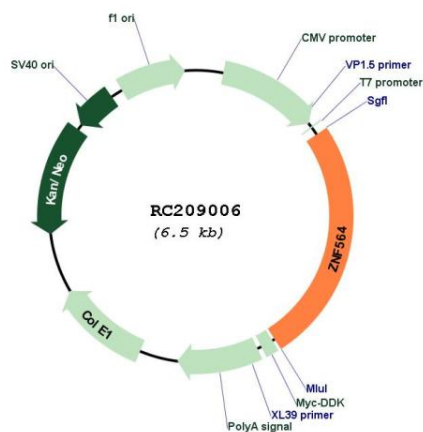
RefSeq Size: 2963 bp

RefSeq ORF: 1662 bp

Locus ID: 163050

UniProt ID: [Q8TBZ8](#)
 Cytogenetics: 19p13.2
 Domains: KRAB, zf-C2H2
 Protein Families: Transcription Factors
 MW: 63.7 kDa
 Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC209006