

Product datasheet for **RG209006**

ZNF564 (NM_144976) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF564 (NM_144976) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF564
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG209006 representing NM_144976
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACTCAGTGGCCTCTGAGGATGTGGCTGTGAACCTTCACACTTGAGGAGTGGCCTTTGCTGGATCCTT
 CCCAGAAGAACTCTACAGAGATGTGATGCGGGAAACCTTTAGAAACCTGGCCTGTGTAGGAAAAAATG
 GGAAGACCAGAGCATTGAAGATTGGTACAAAAATCAGGGGAGAATTTTAAAGAAATCATATGGAAGAGGGA
 CTCAGTGAAGTAAGAATATGATCAATGTGGAGAAGCCTTCAGTCAGATTCTCAATCTTAATCTGAACA
 AGAAAAATCCTACTATAGTAAGACCATGTGAATGTAGTTGTGTGGGAAAGTCTTCATGCATCATTCATC
 CCTTAGTAGGCACATCAGATCTCACCTTGGACACAAACCATATGACTATCAGGAATATGGAGAGAAACCA
 TATAAATGTAAGCAGTGTGGGAAAGCCTTCAGTCTTGTCAATCCTTTTGAAGACATGAAAGAACTCACA
 CTGGTGAGAAACCCTATGCATGTCCGAATGTGGGAAAGCCTTCATTTCTCTCCAAGTGTTCGAAGACA
 CATGATTAAGCACACTGGAGATGGACCATATAAATGTCAGGAATGTGGGAAAGCCTTTGATCGCCCAAGT
 TTATTTTCAGATACATGAAAGAACTCACACTGGAGAGAAACCTATGAATGTCAGGAATGTGCAAAAGCTT
 TCATTTCTCTTCAAGTTTTCAAGACACATGATTAGGCACACTGGAGATGGACCTTATAAATGTCAGGA
 ATGTGGAAAGCCTTTGACCGCCCCAGTTTATTTTCAATACATGAAAGAACTCATACTGGAGAGAAACCC
 CATGAATGTAAACAGTGTGGGAAAGCCTTCATTTCTTTCACAAATTTTCAAAGTCATATGATTAGGCACA
 CTGGGGATGGACCTTATAAATGTAAAGTATGTGGGAGAGCCTTTATTTTCCCAGTTATGTTTGAAGACA
 TGAAAGAACTCATACTGGGAGAAACCCATGAATGTAATAAATGTGGTAAACCTTCAGTCTTCCAGT
 AATGTTTGAACACATGAAAGGACTCACACTGGAGAGAAGCCCTATGAATGTAAGGAATGCGGGAAAGCCT
 TCATTTCTCTCCAAGTGTCCGAAGACACATGATAAAGCACACTGGAGATGGACCTTATAAATGTCAGGT
 ATGTGGTAGAGCCTTTGACTGTCCAGTTCATTTCAAATACACGAAAGAACTCACACTGGAGAGAAACCC
 TATGAATGTCAGGTATGTGGGAAAGCCTTCATTTCTCTTAAAGGATTAGAAAACATATGATACTGCACA
 CTGGAGATGGACCTTATAAATGTCAGGTATGTGGTAAAGCCTTTGACTGTCTAGTTCTGTCCGAACACA
 TGAAAGAACTCATACTGGAGAGAAACCCATGAATGTAAGAAATGTGGGAAAGCATTCAATTATGCCAGT
 TCCATTAGAATACATGAAAGAACTCATACCGAGAGAAACCCATGAATGTAAGCAATGTGGAAAAACGT
 TCAGTTATTCCAGTTCCTTTCAAAGACATGAAAGAGCTCATAATGGAGATAAACCTTACGTAAAGAATGT
 GGGAAAGCTTTTCAATTATCACACAACCTTCGAATACCTGTGAAAAATGAA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG209006 representing NM_144976
 Red=Cloning site Green=Tags(s)

MDSVASEDVAVNFTLEEWALLDPSQKKLYRDMRETFRNLACVGKKWEDQSIEDWYKNQGRILRNHMEEG
 LSEKEYDQCGEAFSQILNLLNKKIPTIVRPCECSLCGKVFMHSSLSRHIRSHLGHPYDYQEYGEKP
 YKCKQCGKAFSSQSFRHERHTHTGEKPYACECGKAFISLPSVRRHMIKHTGDGPYKQCECGKAFDRPS
 LFQIHERHTHTGEKPYECQECAGAFISLPSFQRHMIRHTGDGPYKQCECGKAFDRPSLFRIHERHTHTGEK
 HECKQCGKAFISFTNFQSHMIRHTGDGPYKCKVCGRAFI FPSYVRKHHERHTHTGEKPYECNKCGKTFSSSS
 NVRTHERHTHTGEKPYECKEKGAFISLPSVRRHMIKHTGDGPYKQVCGRAFDPCSSFIHERHTHTGEK
 YECQVCGKAFISLKRIRKHMILHTGDGPYKQVCGKAFDCPSSVRHERHTHTGEKPYECKEKGAFNYAS
 SIRIHERHTHTGEKPYECKQCGKTFSSSSFQRHERAHNGDKPYVKNVGLSFITQPSNTCENE

TRTRPLE – GFP Tag – V

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.

RefSeq: [NM_144976.4](#)

RefSeq Size: 2553 bp

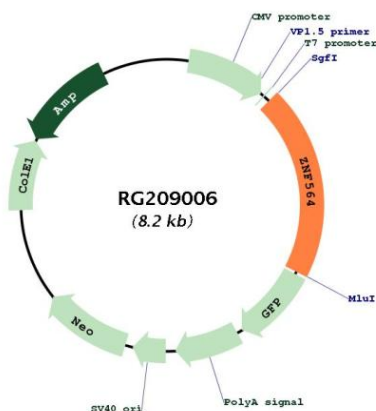
RefSeq ORF: 1662 bp

Locus ID: 163050

UniProt ID: [Q8TBZ8](#)

Cytogenetics: 19p13.2
Domains: KRAB, zf-C2H2
Protein Families: Transcription Factors
Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG209006