

Product datasheet for **RG207647**

ZNF561 (NM_152289) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF561 (NM_152289) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF561
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG207647 representing NM_152289 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGCTGGAGAACTACATGAACCTGGCCTCTGTGGAATGGGAAATACAACCTAGAACCAACGGTCATCAC
TTCAGCAGGGTTTTTTGAAGAATCAAATATTCAGTGGGATACAAATGACAAGAGGCTACAGTGGATGGAA
ACTCTGTGACTGTAAGAATTGTGGAGAGGTCTTCAGGGAACAGTTTTGCCTTAAGACACACATGAGAGTT
CAGAATGGAGGGAATACTTCTGAGGGTAATTGTTATGGAAAAGACACCCTCAGTGTGCACAAGGAAGCCT
CTACTGGACAGGAACTTTCCAAATTTAATCCATGTGAAAAAGTCTTTACTCTAACTCCAGGTCTTGCTGT
ACATCTTGAAGTTCTCAATGCAAGACAACCCTACAAATGTAAGGAATGTGAAAAAGGCTTTAAGTATTTT
GCAAGCCTTGATAATCATATGGGAATCCACACTGATGAGAACTCTGTGAATTCAGGAATATGGGAGAG
CTGTACAGCTTCTTACACCTAAAGCAGTGTGTAGCAGTTCATACAGGAAAGAAATCCAAAAAGACTAA
GAAATGTGGGAAATCCTTCACTAATTTTCTCACTTTATGCACCTGTGAAAACTCATAAAGGAGAGAAG
TCCTTTGAATGTAAGAATGTGGAAGATCCTTTAGAAATTCCTCATGCCTTAATGATCACATTCAAATTC
ACACTGGAATAAAACCACACAAGTGTACTTACTGTGGGAAAGCCTTCACTAGATCAACTCACTTACTGA
ACATGTAAGAACTCACACTGGAATAAAACCCTATGAATGTAAGGAATGTGGCCAAGCCTTTGCTCAGTAC
TCGGGCCTTTCTATACACATACGAAGTCACAGTGGAAAGAAACCCATCAGTGTAAAGGAATGTGGGAAAG
CCTTCACTACATCCACAAGTCTTATTCAGCATACAAGAATTCACACAGGAGAGAAGCCTTATGAATGTGT
TGAATGTGGGAAGACCTTCATTCTTCCCCTCGTAGTAAACATTTGAAAACCTCATAGTGGAGAAAAG
CCCTTTGTATGCAAGATATGTGGGAAAGCATTTCTATATTCCTCACGCCTTAATGTTACCTGCGAACTC
ATACCGGAGAGAAACCTTCGTATGTAAGAATGTGGGAAAGCATTTGCTGTTTCTCACGCCTAAGTAG
ACATGAAAGAATTCACACTGGGAGAAACCCTATGAATGCAAGGATATGAGTGTACCATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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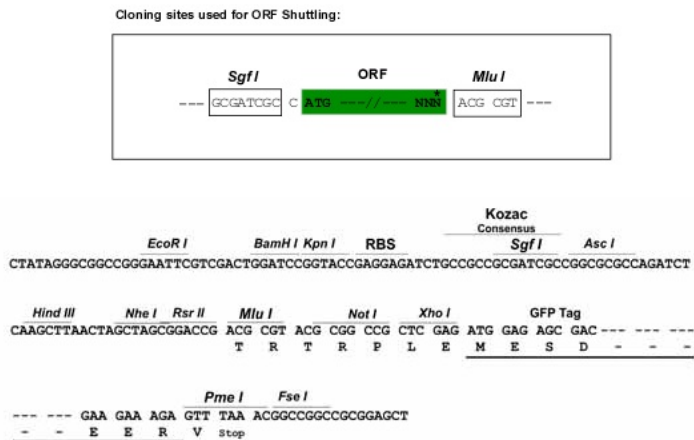
Protein Sequence: >RG207647 representing NM_152289
 Red=Cloning site Green=Tags(s)

MLENYMNLASVEWEIQPRTKRSSLQQGFLKNQIFSGIQMTRGYSGWKLCDCKNCGEVFREQFCLKTHMRV
 QNGGNTSEGNCYKDTLSVHKEASTGQELSKFNPCGVFTLTPGLAVHLEVLNARQPYKCKEKGFKYF
 ASLDNHMGIHTDEKLCEFYGRAVTAASSHLKQCVAVHTGKSKTKKCGKSFTNFSQLYAPVKTHKGK
 SFECKECGRSFRNSSCLNDHIQIHTGIKPHKCTYCGKAFTRSTQLTEHVRTHTGIKPYECKECGQAFAY
 SGLSIHIRSHSGKKPYQCKEKGKAFTTSTSLIQHTRIHTGEKPYECVECGKTFITSSRRSKHLKTHSGEK
 PFVCKICGKAFLYSSRLNVHLRHTHTGEKPFVCKEKGKAFVSSRLSRHERIHTGEKPYECKDMSVTI

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152289

ORF Size: 1251 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_152289.1](#), [NP_689502.1](#)

RefSeq Size: 3462 bp

RefSeq ORF: 1461 bp

Locus ID: 93134

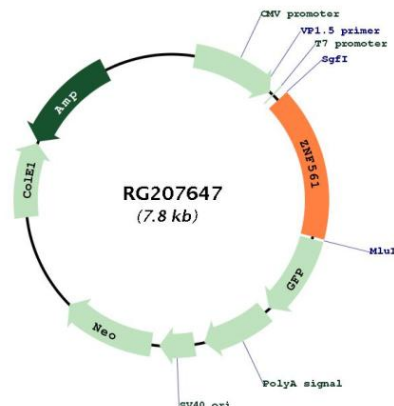
UniProt ID: [Q8N587](#)

Cytogenetics: 19p13.2

Domains: KRAB, zf-C2H2

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

Product images:



Circular map for RG207647