

Product datasheet for **RC207647**

ZNF561 (NM_152289) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ZNF561 (NM_152289) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: ZNF561
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC207647 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGGAGAACTACATGAACCTGGCCTCTGTGGAATGGGAAATACAACCTAGAACCAAACGGTCATCAC
TTCAGCAGGGTTTTTTGAAGAATCAAATATTCAGTGGGATACAAATGACAAGAGGCTACAGTGGATGGAA
ACTCTGTGACTGTAAGAATTGTGGAGAGGTCTTCAGGGAACAGTTTTGCCTTAAGACACACATGAGAGTT
CAGAATGGAGGGAATACTTCTGAGGGTAATTGTTATGGAAAAGACACCCTCAGTGTGCACAAGGAAGCCT
CTACTGGACAGGAACTTCCAAATTTAATCCATGTGGAAAAGCTTTACTCTAACTCCAGGCTTTGCTGT
ACATCTTGAAGTTCTCAATGCAAGACAACCCCTACAAATGTAAGGAATGTGGAAAAGGCTTTAAGTATTTT
GCAAGCCTTGATAATCATATGGGAATCCACACTGATGAGAACTCTGTGAATTCAGGAATATGGGAGAG
CTGTACAGCTTCTTACACCTAAAGCAGTGTGTAGCAGTTCATACAGGAAAGAAATCCAAAAAGACTAA
GAAATGTGGGAAATCCTTCACTAATTTTTCTCACTTTATGCACCTGTGAAAACCTATAAAGGAGAGAAG
TCCTTTGAATGTAAGAATGTGGAAGATCCTTTAGAAATCCTCATGCCTTAATGATCACATTCAAATTC
ACACTGGAATAAAACCACACAAGTGTACTTACTGTGGGAAAGCCTTCACTAGATCAACTCAACTACTGA
ACATGTAAGAACTCACACTGGAATAAAACCCATGAATGTAAGGAATGTGGCCAAGCCTTTGCTCAGTAC
TCGGGCCCTTTCTATACACATACGAAGTCACAGTGGAAAGAAACCCATCAGTGTAAAGGAATGTGGGAAAG
CCTTCACTACATCCACAAGTCTTATTCAGCATACAAGAATTCACACAGGAGAGAAGCCTTATGAATGTGT
TGAATGTGGGAAAGACCTTCACTTCTTCCCCTCGTAGTAAACATTTGAAAACCTCATAGTGGGAGAAAAG
CCCTTTGTATGCAAGATATGTGGGAAAGCATTTCTATATTCCTCACGCCTTAATGTTACCTGCGAAGCTC
ATACCGGAGAGAAAACCTTCGTATGTAAGAATGTGGGAAAGCATTTGCTGTTTCTCACGCCTAAGTAG
ACATGAAAGAATTCACACTGGGGAGAAACCCATGAAATGCAAGGATATGAGTGTTACCATT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC207647 protein sequence
Red=Cloning site Green=Tags(s)

MLENYMNLASVEWEIQPRTKRSSLQQGFLKNQIFSGIQMTRGYSGWKLCCKNCGEVFRQFCLKTHMRV
 QNGGNTSEGNCYGKDTLSVHKEASTGQELSKFNPCGKVF TLPGLAVHLEVLNARQPYKCKEKGKGFYF
 ASLDNHMGIHTDEKLCEFEYGRAVTASSHLKQCVAVHTGKSKTKKCGKSFTNFSQLYAPVKTHKGEK
 SFECKECGRSFRNSSCLNDHIQIHTGIKIPHKCTYCGKAFTRSTQLTEHVRTHGTGIKPYECKECCQAFAQY
 SGLSIHIRSHSGKPYQCKECCGKAF T TSTSLIQHTRIHTGEKPYECVCECGKTFITSSRRSKHLKTHSGEK
 PFVCKICGKAFLYSSRLNVHLRTHHTGEKPFVCKECCGKAFVSSRSLSRHERIHTGEKPYECKDMSVTI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6517_b04.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

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: 4557 bp

RefSeq ORF: 1461 bp

Locus ID: 93134

UniProt ID: [Q8N587](#)

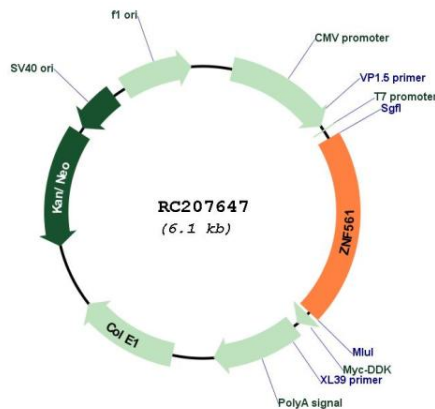
Cytogenetics: 19p13.2

Domains: KRAB, zf-C2H2

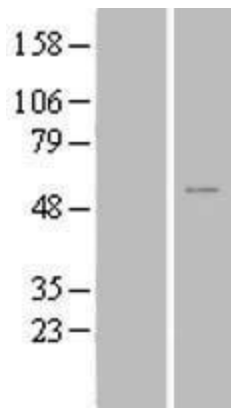
MW: 47.1 kDa

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

Product images:



Circular map for RC207647



Western blot validation of overexpression lysate (Cat# [LY407649]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207647 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).