

Product datasheet for **RC200399**

ZNF76 (NM_003427) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF76 (NM_003427) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF76
Synonyms:	D6S229E; Zfp523; ZNF523
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC200399 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAGAGCTTGGGGCTGCACACGGTGACCCTTAGTGATGGGACAACAGCCTACGTCAGCAAGCTGTCA
 AAGGAGAGAAGCTTCTTGAAGGGCAGGTGATCCAGCTCGAGGATGGGACCACCGCATACATTCACCAGGT
 GACGGTACAGAAAAGAAGCTCTCTCTTTGAGGATGGTCAGCCTGTGCAGCTGGAAGATGGCAGCATGGCT
 TACATACACCGCACACCCAGAGAAGGCTATGACCCACGACCCTGGAAGCCGTCCAAGTGAAGATGGCT
 CCACTGCCTACATTCACCACCCTGTGGCTGTGCCATCGGAGAGCACCATCCTGGCCGTACAGACAGAGGT
 GGGCTTGGAGGACCTGGCAGCAGAGGATGATGAGGGCTTCAGTGCAGACGCAGTGGTGGCCCTGGAGCAG
 TATGCCAGCAAGTTCTCATGACAGCCAGATCCCGTAAATGGAAAAGGGCAGCAAGTTGGAGACAGAG
 CATTCCGCTGTGGCTACAAGGGCTGTGGCGTCTCTACACCACCGCTCATCACTAAAGGTGCATGAACG
 AGCTCATACAGGTGACCGTCCATACAGATGTGACTTCCCAGCTGTGAAAGGCCCTTGGCCACAGGCTAT
 GGAAGTGAAGGCCACGTTTCGTACCCACACTGGTGAGAAACCATACAAGTGCAGAGGAGCTGTGCAGCA
 AGGCCTTCAAGACCTCAGGAGACCTGCAGAAGCATGTCCGTACCCACACTGGTGAACGCCGTTCCAGTG
 CCCTTTTGGGGCTGTGGCCGCTCCTTACCACATCTAACATCCGCAAGGTACATGTGCGCACCCACACA
 GGCGAGAGGCCCTACACCTGCCCGGAGCCCACTGTGGCCGCGGCTTACCAGCGCCACCAACTATAAGA
 ATCACGTGCGCATCCACACAGGGGAGAAGCCATACGTTTGCACGGTGCCAGGCTGCGGGAACCGTTCAC
 CGAGTACTCGAGCTTGTATAAGCACCACGTGGTGCACACACACTGCAAGCCCTACACCTGCAGCACCTGC
 GGCAAGACCTACCGCAGACCTCCACCTTGCCATGCACAAGCGCAGTCCCATGGCGAGCTGGAGGCCA
 CGGAGGAGAGTGAGCAGGCCCTCTATGAGCAGCAGCAACTTGAGGCCGCTCTGCAGCCGAGGAGATCC
 GCCACCCAAACGACCCCGATAGCTTACCTTTCGGAGGTGAAGGAAGAGAGAGATGACATCCAGGCCAG
 GTGGCGATGGTGACTGAAGAAGATGGGGCCCCCAGGTGGCTCTGATCACTCAGGATGGTCCCGCAGCAGG
 TCAGCCTGTCCCGAAGACCTGCAGGCCCTGGGGAGTGCATCAGTATGGTCAACCAGCAGCGCAGCAC
 CACCCTCACCATCCCGAGTCTGATGCCGACCTGGCCACATCTGGCACACATACAGTACCATGGTCAGC
 GCCGATGGCACCCAGACGACCCGTCACAATCATTACCTCTGGGGCTGTGGTGGCTGAGGACTCAAGTG
 TAGCATCTCTCGTCATCAACAGGTGGCACTGTTGCCACAGCCAACGGAACGCACATTGCAGTGCAGCT
 GGAGGAACAGCAGACCTTAGAGGAGGCCATCAATGTGGCCACTGCGGCCATGCAGCAAGGGGCTGTGACC
 CTGGAGACAACAGTGTCGGAGAGTGGCTGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC200399 protein sequence
 Red=Cloning site Green=Tags(s)

MESLGLHTVTLSDGTTAYVQAVKGEKLLLEGQVIQLEDGTTAYIHQVTVQKEALSFEDGQPQVLEDGSM
 YIHRTPREGYDPSTLEAVQLEDGSTAYIHHPVAVPSESTILAVQTEVGLDLAAEDDEGFSADEVVALEQ
 YASKVLHDSQIPRNGKQQVGDRAFRGKGYKGCGRLYTTAHLKVKHERAHTGDRPYRCDPSCGKAFATGY
 GLKSHVRTHTEKPYKPEELCSKAFKTSGLDLQKHVRTHTERPFQCPFEGCGRSFTTSNIRKVVHVRTH
 GERPYTCPEPHCGRGFTSATNYKNHVRHTGKPYVCTVPGCKRFTEYSSLYKHHVVHTHCKPYTCSTC
 GKTYRQTSTLAMHKRSAHGELEATEESEQUALYEQQQLEAASAAEESPPPKRPRIAYLSEVKEERDDIPAQ
 VAMVTEEDGAPQVALITQDGAQQVSLSPEDLQALGSAISMVTHGSTTLTIPSPDADLATSGTHTVTMVS
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 LETTVSESGC

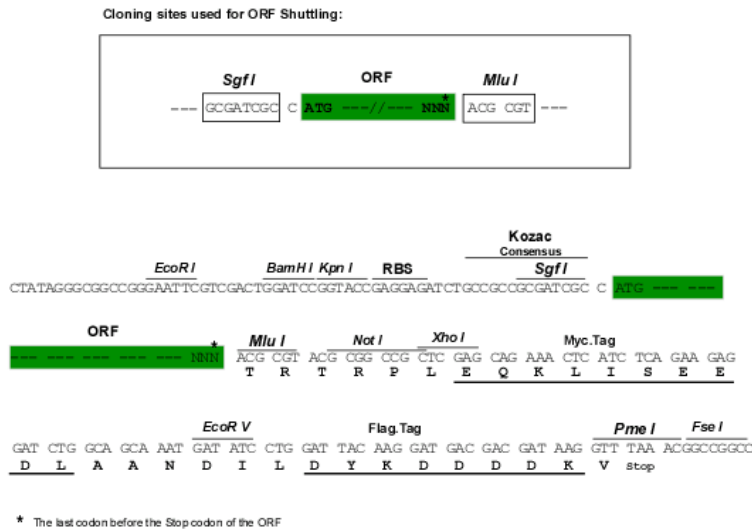
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6400_g05.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_003427

ORF Size: 1710 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_003427.3](#), [NP_003418.2](#)

RefSeq Size: 2690 bp

RefSeq ORF: 1713 bp

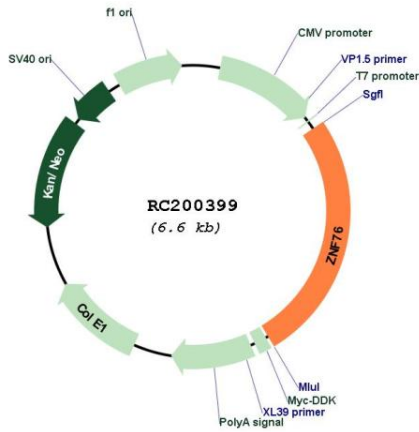
Locus ID: 7629

UniProt ID: [P36508](#)

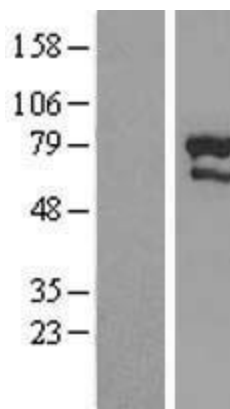
Cytogenetics: 6p21.31

Domains: zf-C2H2
Protein Families: Transcription Factors
MW: 61.8 kDa
Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC200399



Western blot validation of overexpression lysate (Cat# [LY418684]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200399 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).