

Product datasheet for **RC224169**

ZIK1 (NM_001010879) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZIK1 (NM_001010879) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZIK1
Synonyms:	ZNF762
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC224169 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGCGGCCGCTGAGGGCCCCGACTCAGGTTACTGTGTCTCCAGAAACACATATGGACCTCACAA
 AGGGCTGTGTGACCTTTGAGGACATCGCCATTTACTTCTCACAGGACGAGTGGGGACTTCTTGATGAGGC
 TCAGAGACTCCTGTACCTTGAAGTGATGCTGGAGAACTTTGCCCTTGTAGCCTCACTGGGTTGTGGCCAT
 GGAACAGAGGATGAAGAGACACCTTCTGACCAGAATGTTTCTGTAGGAGTGTACAGTCAAAGGCAGGTT
 CATCCACACAGAAGACTCAATCCTGTGAGATGTGTGCCAGTCTGAAAGATATTTTGCATCTAGCTGA
 TCTCCCTGGGCAGAAACCATACTTGGTTGGAGAATGTACAAACCATCACCAGCACCAGAAGCATCACAGT
 GCAAAGAAATCCTTGAAGAGGGACATGGACAGAGCCTCATATGTGAAGTGTGCCTATTCTGTATGTCAT
 TGAAGCCCTTTCGAAATGGGAGGTTGGAAAGGACCTTCCAGCCATGTTGCGGCTTCTGAGGTCCTGGT
 CTTTCTGGAGGCAAGAAACCCGCGACAATTACTGAATGTGGGGAGGACATTCGAGTCAAAAAAGTCAT
 TACAAGTCAGGTGAATGTGGGAAGGCTTCCAGGCACAAACACACTCCTGTTTACCATCCAAGAGTCTACA
 CTGGAAAAAGCTTTATGAGTGTAGCAAATGTGGGAAAGCCTTCCGTGGCAAGTACTCACTTGTTCAGCA
 CCAGAGAGTCCATACTGGAGAAAGGCCTTGGGAGTGCAATGAATGTGGAAAATCTTTAGCCAAACCTCC
 CACCTGAATGATCATCGGAGAATCCACACCCGGAGAAAGGCCTTATGAGTGCAGCGAATGTGGAAAATAT
 TTAGACAAAATCCAGCCTTGTGACCACCAGAAAATACACACTGGAGCAAGGCCTTATGAGTGTAGCCA
 GTGTGGGAAATCCTTTAGCCAAAAGCCACCCTTGTAAACACCAAGAGTTCACACTGGAGAAAGGCCT
 TATAAGTGTGGTGAATGTGGGAATCCTTTAGTCAAAGTGCCATTCTTAATCAACACCGAAGAATTCACA
 CTGGAGCAAAGCCTTATGAGTGTGGCCAGTGTGGGAAATCCTTTAGTCAAAAAGCTACCCTATTAAACA
 CCAGAGAGTTCACACTGGAGAAAGGCCTTATAAGTGTGGTACTGTGGGAAATCCTTTAGTCAAAGCTCC
 ATCCTTATTCAACACCGAGAATTCATACTGGAGCAAGGCCTTATGAGTGTGGCCAGTGTGGAAAGTCTT
 TTAGCCAAAAGTCTGGTCTATTCAACACCAAGTGGTTCACACTGGAGAAAGGCCTTATGAGTGAACAA
 ATGTGGGAATTCCTTTAGCCAATGCTCCAGCCTCATACTACCAAAAATGTCATAACACA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC224169 protein sequence
 Red=Cloning site Green=Tags(s)

MAAAALRAPTQVTVPETHMDLTKGCVTFEDIAIYFSQDEWGLLDEAQRLLYLEVMLENFALVASLGGCH
 GTEDEETPSDQNVSVGVSQSKAGSSTQKTQSCMCPVLKIDILHLADLPGQKPYLVGECTNHHQHOKHHS
 AKKSLKRDMDRASVVKCLFCMSLKPFRKWEVKGDLPAMLRLLRSLVFPGGKKPGTITECGEDIRSQKSH
 YKSGECGKASRHKHTPVYHPRVYTGKCLYECSKCGKAFRGKYSLVQHQRVHTGERPWECNECGKFFSQTS
 HLNDRRIHTGERPYECSECGKLFQNSSLVDHQIHTGARPYECSQCGKFSQKATLVKHQRVHTGERP
 YKCGECGNSFSQSAILNQHRIHTGAKPYECGQCGKFSQKATL IKHQRVHTGERPYKCGDCGKFSFSQSS
 ILIQHRRRIHTGARPYECSQCGKFSQKSLIQHVHTGERPYECNKCGNSFSQCSSLIHHQKCHNT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6458_d02.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001010879

ORF Size: 1461 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_001010879.4](#)

RefSeq Size: 2676 bp

RefSeq ORF: 1464 bp

Locus ID: 284307

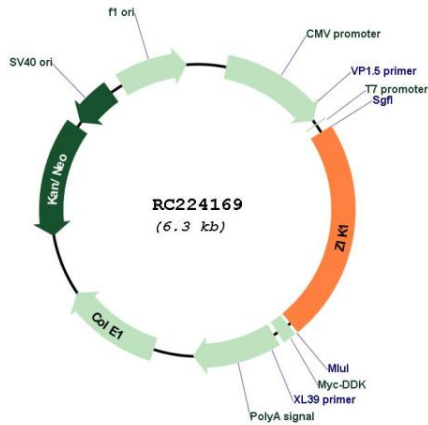
UniProt ID: [Q3SY52](#)

Cytogenetics: 19q13.43

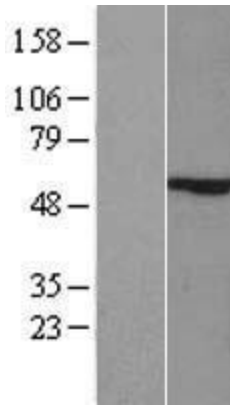
MW: 54.8 kDa

Gene Summary: May be a transcriptional repressor.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC224169



Western blot validation of overexpression lysate (Cat# [LY423204]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC224169 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).