

Product datasheet for **RC211064**

ZNF182 (NM_001007088) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF182 (NM_001007088) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF182
Synonyms:	HHZ150; KOX14; Zfp182; ZNF21
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC211064 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCAAACCCAGGGCTAGTGACATTTGAAGATGTAGCTGTGGATTTACCCAGGAGGAGTGGCAGT
 ACCTGAACCCACCCACAGAGGACCCTGTACAGAGACGTGATGCTGGAGACCTACAGCAACTTGGTCTTTGT
 GGGGCAGCAGTTACCAAACCAAACCTCATCTCAAGTTGGAGGTAGAAGAATGCCCGCAGAAGGAAAA
 ATCCCATTTTGGAACTTTCCAGAAGTCTGTCAAGTTGATGAACAGATTGAGAGGCAACATCAGGATGACC
 AAGATAAATGTCTGCTGATGCAAGTTGGATTTTCTGACAAGAAAACAATTATACCAAGAGTGCTCGTGA
 CTGTCTAGTGTGGAAACATACTTCATCTGAGTACAAACCTTGTGCTTCAATACAAAGACCCGATAAA
 CACGAATCATTTGGAAAATAATGGTAGATAATTTAGACTATTTAGTAGAAGTTCTGCAGAAAAATAAT
 ATGATAATGGATGTGCAAAATTTCTCCATACTGAGTATGAGAAAACAATCTTGGAAATGAAGCCCTA
 TGGCTATAAAGAGTGTGGAAAGGTCTTAGGCGAAAAGAAAGCCCTTAGTCTACATCAGAGAATTAATAAT
 GGAGAGAAACCCTTTGAATGTACTGCATGTAGGAAAACCTTCAGCAAGAAGTACACCTCATTGTACATT
 GGAGAACTCATACGGGAGAGAAAACCTTTTGGATGTACCGAATGTGAAAAAGCTTTTAGCCAAAAATCTCA
 GCTCATTATACACTTGGCAACTCATACAGGAGAGAGACCCCTTTGAGTGTCTGAATGTGGAAAAGCCTTC
 AGAGAAAAGTCAACTGTCATCATACATTACAGGACTCACACAGGAGAAAAACCTTATGAATGTAATGAAT
 GTGGAAAAGCCTTCACTCAGAAGTCCAACCTCATTGTCCATCAGAAAACCCACACTGGAGAGAAAACCTA
 TGAATGCACTAAATGTGGAGAATCTTTCATACAGAAGCTTGATCTAATTATACATCATAGTACCCATACA
 GGAAAGAAACCCCATGAATGTAATGAGTGAAGAAAACCTTTCAGTGATAAGTCAACTCTCATTATACACC
 AGAGAACTCATACGGGAGAGAAAACCTCATAAATGTACTGAATGTGGGAAGTCTTTCATAGAAAGTCAAC
 CCTCATTGTGCATCAAAGAACTCATACAGGAGAGAAAACCTATGAATGTGATGTGTGGAAAAACCTTC
 ACGCAAAAGTCAAACCTTGGTGTACATCAGAGAACTCATTACAGGAGAGAAAACCTTTGAATGTAATGAAT
 GTGAGAAAAGCCTTCTCTCAGAAGTCTACCTCATGCTGCATCAGAGAGGTATACAGGAGAGAAAACCTTA
 CGAGTGAATGAATGTGAAAAAGCATTTTCACAGAAATCATATCTCATTATACATCAAAGAACTCATACA
 GAAGAAAACCTTATAAATGTAATGAATGTGGCAAAGCCTTCAGAGAAAAGTCAAAGCTCATTATACATC
 AGAGAATTCATACAGGAGAGAAAACCTTATGAATGTCTGTGTGTTGAAAAGCTTTTAGCCAGAAGTACA
 GCTCATAATACATCAGAGAACGCACACGGGAGAGAAAACCTATGCATGCACTGAGTGTGGCAAAGCCTTC
 CGAGAAAAGTCAACATTCCTGTACATCAAAGAACTCATACTGGAGAGAAAACCTATAAATGTACAGAAT
 GTGGAAAAGCCTTACCCAAAAATCAAACCTTATTGTACATCAGCGAACCCATGCAGGAAAAGAAAGCCCA
 TGGAAAGAGGCCACTCGGAAGTCAAAGTTCATGGCACAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTAA

Protein Sequence:

>RC211064 protein sequence
 Red=Cloning site Green=Tags(s)

MAKPQGLVTFEDVAVDFTQE EWQYL NPPQRTL YRDV MLETYSNL VVFGQQVTKPNL I LKLEVEECPAEGK
 IPFWNFPEVCQVDEQIERQH QDDQDKLLMQVGFSDKKT IITKSARDCHEFGN I LHLSTNLVASIQRPDK
 HESFGNMMVDNLDLFSRSSAENKYDNGCAKLFHTEYEKTNPGMKPYGYKECGKGLRRKGLSLHQRIK
 GEKPFECTACRKTFSKSHLIVHWRHTGKPFGEKAFS QKSQ L I IHLRHTGERPFCEPCGKAF
 REKSTV I IHYRHTGKPYECNECGKAF TQKSNL I VHQK THTGKTYECTKCGESF I QKLDL I IHHSTHT
 GKPKHECNECKKTFSDKSTL I IHQRTHTGKPHKCTECGKSFNEKSTL I VHQRTHTGKPYECDVCGKTF
 TQKSNLGVHQRTHSGKPFECNECEKAFS QKSYLMLHQRGHTGKPYECNECEKAFS QKSYL I IHQRTHT
 EEKPYKNECGKAFREKSKL I IHQRIHTGKPYECPVCWKAFS QKSQ L I IHQRTHTGKPYACTECGKAF
 REKSTFTVHQRTHTGKPYKCTECGKAF TQKSNL I VHQRTHAGKKAHGRGHTRKSKFMAH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6585_f04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001007088

ORF Size: 1860 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_001007088.2](#)

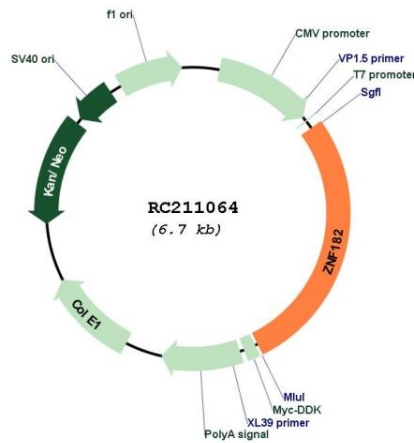
RefSeq Size: 3504 bp

RefSeq ORF: 1863 bp

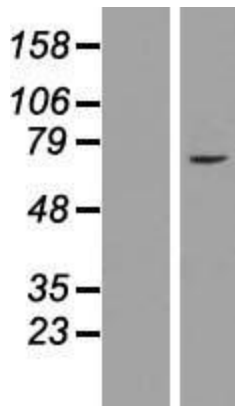
Locus ID: 7569
UniProt ID: [P17025](#)
Cytogenetics: Xp11.23
MW: 71.6 kDa

Gene Summary: Zinc-finger proteins bind nucleic acids and play important roles in various cellular functions, including cell proliferation, differentiation, and apoptosis. This gene encodes a zinc finger protein, and belongs to the krueppel C2H2-type zinc-finger protein family. It may be involved in transcriptional regulation. Multiple alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, May 2010]

Product images:



Circular map for RC211064



Western blot validation of overexpression lysate (Cat# [LY423579]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC211064 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).