

Product datasheet for **RC230383**

ZNF182 (NM_001178099) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF182 (NM_001178099) 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:

>RC230383 ORF sequence, codon optimized.
Due to the complexity of NM_001178099, the ORF clone is codon optimized for mammalian Expression.
The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACCCCGCCTCTGCCTCCGGCGAGGATTCTGGCTCCTTTTATAGCTGGCAAAGGCCAAAGCGGGAGC
AGGGACTTGTACTTTTCGAGGATGTTGCGGTCGATTTCACTCAGGAGGAGTGGCAGTACCTGAACCCCCC
CCAGAGAACTCTTTATAGGGATGTGATGCTTGAGACATACTCCAATCTGGTCTTTGTAGGACAGCAGGTC
ACCAAGCCGAACCTGATCCTTAAATTGGAAGTGGAGGAGTGCCCCGCCGAGGGTAAAATTCCTTTTGGAA
ACTTTCCAGAAGTTTGCCAAGTGGACGAGCAGATTGAGAGACAGCACAGGACGATCAGGACAAGTGCTCT
CCTGATGCAGGTCGGATTCTCAGACAAAAAACAATCATCACGAAGAGCGCACGCGACTGTCACGAATTT
GGAAACATTCTGCACCTGAGTACCAACCTGGTCGCATCCATCCAGCGGCCGACAAGCATGAATCCTTTG
GGAATAATATGGTTGACAATTTGGACCTCTTTCCAGGTCAAGTGCAGAAAAACAATATGACAACGGGTG
CGCAAGCTGTTCTTCCATACGGAGTATGAGAAGCAACCCGGGGATGAAGCCTTATGGTTACAAGGAG
TGTGAAAAGGGATTGAGGCGGAAGAAGGGGCTCTCACTGCACCAGAGAATTAAGAACGGCGAAAAACCAT
TTGAGTGTACCGCTTCCGCAAAAACTTTCTCTAAGAAAAGTCATCTGATAGTGCAGTGGAGAAGTGCAC
CGGAGAAAAACCGTTCCGCTGCACCGAGTGTGGCAAGGCGTTCTCTCAGAAATCCAGTTGATCATACAT
CTCCGCACCCATACCGGCGAACGCCCTTTCGAATGTCCGAGTGCGGTAAGGCTTTCCGCGAGAAATCCA
CTGTCATCATTATTATCGGACACATACCGCGAGAAACCATATGAATGTAAACGAATGTGAAAAGGCCTT
TACACAGAAAAGTAACTCATCGTGCACCAAGACCCACACTGGGGAAAAAACTTACGAGTGTACGAAA
TGTGGGGAGTCATTTATTCAGAAGCTCGACTTGATTATACATCATAGTACTCACACTGGGAAAAAGCCGC
ACGAGTGAATGAATGTAAGAAAACCTTCAGCGATAAATCAACTCTGATCATTATCAGCGGACACACAC
CGGCGAGAAGCCACACAAGTGCACAGAATGCGGCAAGAGCTTTAACGAAAAAAGTACACTGATTGTTTAT
CAAAGAACACACACCGGAGAAAAACCTATGAGTGTGACGTGTGCGGAAAAACATTCACACAGAAGTCCA
ATCTTGGCGTGCATCAGAGGACACATAGCGGCGAGAAACCTTTTGAATGTAAAGTGTGAAAAGGCCTT
TAGCCAGAAGAGCTATCTTATGCTCCATCAGCGCGCCACACGGGTGAGAAACCATACGAGTGAATGAA
TGTGAGAAAAGCTTTTAGTCAGAAGAGCTACTTGATCATTATCAGAGAACGCATACAGAAGAGAAGCCAT
ACAAGTGAACGAGTGTGGTAAGGCTTTTCAGAGAGAAGAGCAAATTTATCCATCAGCGAATTCACAC
AGGGGAGAAAACCTATGAATGCCAGTCTGTTGGAAAAGCATTTTTCACAGAAATCTCAGCTTATTATTCAC
CAGAGAACCCATACAGGCGAGAAACCATATGCCTGTACAGAAATGCGGCAAGGCCTTCCGCGAGAAGTCCA
CGTTCACCGTACACCAGAGAAGTGCATACAGGCGAAAAACCTATAAATGCACCGAATGCGGGAAGGCTTT
TACACAGAAGTCAAACCTCATAGTGCACACAGGACGCATGCCGGAAGAAGGCGCACGGCGGGGACAT
ACCCGAAAAGAGTAAGTTCATGGCTCAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC230383 representing NM_001178099
Red=Cloning site Green=Tags(s)

MTPASASGEDSGSFYSWQKAKREQGLVTFEDVAVDFTQEEWQYLNPPQRTLYRDVMLETYSNLVFGQQV
 TKPNLILKLEVEECAPEGKIPFWNFPEVCQVDEQIERQHDDQDKLLMQVGFSDKKTIIITKSARDCHEF
 GNILHLSTNLVASIQRPDKHESFGNNMVDNLDLFSRSSAENKYDNGCAKLFHTEYEKTNPGMKPYGYKE
 CGKGLRRKKGLSLHQRIKNGEKPFECTACRKTFSKSHLIVHWRTHTEKPFGECEGKAFSQKSLIIH
 LRTHTGERPFECPECGKAFREKSTVIIHYRTHTEKPYECNECGKAFSTQKSNLIVHQKTHTEKTYEYCTK
 CGESFIQKLDLIIHSTHTGKPHCECKECKTFSDKSTLIIHQRTHTGEKPHKCTEKGKSFNEKSTLIVH
 QRTHTEKPYECDVCGKTFSTQKSNLGVHQRTSHGEKPFECNECEKAFSQKSYLMLHQRGHTGEKPYECNE
 CEKAFSQKSYLIIHQRTHTTEKPYKNECGKAFREKSKLIIHQRIHTGEKPYECPVCWKAFSQKSLIIH
 QRTHTEKPYACTEKGKAFREKSTFTVHQRTHTGEKPYKTECGKAFSTQKSNLIVHQRTHAGKKAHGRGH
 TRKSKFMAH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001178099

ORF Size: 1917 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_001178099.1](#), [NP_001171570.1](#)

RefSeq Size: 3669 bp

RefSeq ORF: 1920 bp

Locus ID: 7569

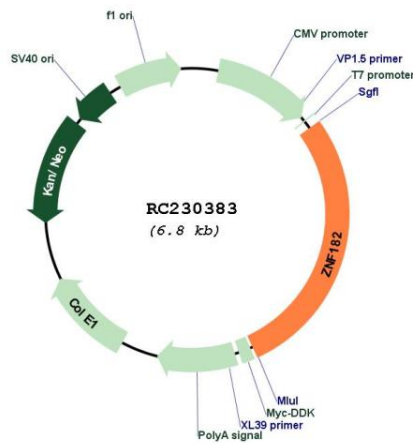
UniProt ID: [P17025](#)

Cytogenetics: Xp11.23

MW: 73.6 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 RC230383