

Product datasheet for **RC218020**

ZNF182 (NM_006962) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF182 (NM_006962) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF182
Synonyms:	HHZ150; KOX14; Zfp182; ZNF21
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide
Sequence:

>RC218020 representing NM_006962
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGACACCAGCATCTGCATCTGGTGAAGACTCAGGAAGCTTCTACTCATGGCAGAAGGCAAGAGGGGAAC
AGGGGCTAGTGACATTTGAAGATGTAGCTGTGGATTTACCCAGGAGGAGTGGCAGTACCTGAACCCACC
ACAGAGGACCCTGTACAGAGACGTGATGCTGGAGACCTACAGCAACTTGGTCTTTGTGGGCAGCAGGTT
ACCAAACCAAACCTCATCCTCAAGTTGGAGGTAGAAGAATGCCCGGCAGAAGGAAAAATCCATTTTGG
ACTTTCCAGAAGTCTGTCAAGTTGATGAACAGATTGAGAGGCAACATCAGGATGACCAAGATAAATGTCT
GCTGATGCAAGTTGGATTTCTGACAAGAAAACAATTATACCAAGAGTGCTCGTACTGTCATGAGTTT
GGAAACATACTTCATCTGAGTACAAACCTTGTGCTTCAATACAAAGACCCGATAAACACGAATCATTTG
GAAATAATATGGTAGATAATTTAGACTTATTTAGTAGAAGTTCTGCAGAAAAATAATATGATAATGGATG
TGCAAAATTTGTTCTTCCATACTGAGTATGAGAAAAACAATCCTGGAATGAAGCCCTATGGCTATAAAGAG
TGTGGAAAGGTCTTAGGCGAAAGAAAGCCCTTAGTCTACATCAGAGAATTAATAATGGAGAGAAACCCCT
TTGAATGTACTGCATGTAGGAAAACCTTCAGCAAGAAGTACACCTCATTGTACATTGGAGAAGCTATAC
GGGAGAGAAAACCTTTGGATGTACCGAATGTGGAAAAGCTTTTAGCCAAAAATCTCAGCTCATTATACAC
TTGCGAAGTACACAGGAGAGAGACCCTTTGAGTGTCTGAATGTGGAAAAGCCTTCAGAGAAAAGTCAA
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ATGAATGTAATGAGTGAAGAAAACCTTTCAGTGATAAGTCAACTCTCATTATACACCAGAGAAGCTCATA
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CAGAGAACGCACACGGGAGAGAAAACCTATGCATGCACTGAGTGTGGCAAAGCCTTCAGAGAAAAGTCAA
CATTCACTGTACATCAAAGAAGTCACTGAGAGAAAACCTATAAATGTACAGAATGTGGAAAAGCCTT
TACCCAAAAATCAAACCTTATTGTACATCAGCGAACCCATGCAGGAAAAGAAAGCCCATGGAAGAGGCCAC
ACTCGGAAGTCAAAGTTCATGGACAT

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC218020 representing NM_006962
 Red=Cloning site Green=Tags(s)

MTPASASGEDSGSFYSWQKAKREQGLVTFEDVAVDFTQEEWQYLNPPQRTLRYRDVMLETYSNLVFGQQV
 TKPNLILKLEVEECAPEGKIPFWNFPEVCQVDEQIERQHDDQDKCLLMQVGFSDKKTIIITKSARDCHEF
 GNILHLSTNLVASIQRPDKHESFGNNMVDNLDLFSRSSAENKYDNGCAKLFHTEYEKTNPGMKPYGYKE
 CGKGLRRKKGLSLHQRIKNGEKPFECTACRKTFSKSHLIVHWRHTHTGEKPFGECEGKAFSQSQLIIH
 LRHTHTGERPFECPECGKAFREKSTVIIHYRHTHTGEKPYECNECGKAFSTQKSNLIVHQKHTHTGEKTYE
 CGESFIQKLDLIIHSTHTGKPKHECNECKTFSKSTLIIHQRTHTGEKPHKCTECGKSFNEKSTLIVH
 QRHTHTGEKPYECDVCGKTFSTQKSNLGVHQRTHSGEKPFECNECEKAFSQSYLMLHQRGHTGEKPYECNE
 CEKAFSQSYLIIHQRTHTTEKPYKNECGKAFREKSKLIIHQRIHTGEKPYECPVCWKAFSQKSQLIIH
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 TRKSKFMAH

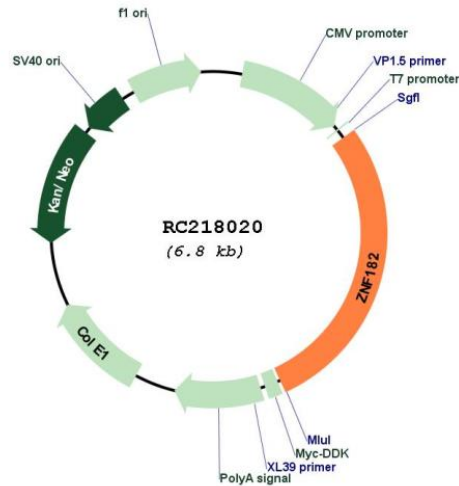
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN:	NM_006962
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:	<ol style="list-style-type: none"> 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_006962.2

RefSeq Size: 3598 bp

RefSeq ORF: 1920 bp

Locus ID: 7569

UniProt ID: [P17025](#)

Cytogenetics: Xp11.23

MW: 73.5 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]