

Product datasheet for **RC212088**

ZNF681 (NM_138286) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF681 (NM_138286) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF681
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RC212088 representing NM_138286
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGAACCATTGAAATTTAGGGATGTGGCCATAGAATTCTCTCTGGAGGAGTGGCAATGCCTGGACACTA
TACAGCAGAATTTATATAGGAATGTGATGTTAGAGAACTACAGAAACCTGGTCTTCTTGGGTATTGTTGT
CTCTAAGCCAGACCTGATCACCTGTCTGGAACAAGAAAAAGAGCCTTGGACTAGAAGAGACATAGGATG
GTGGCCGAACCCCGATTATTTGTTCTCATTTTGCCCAAGACTTTTCACCAGAGCAGAACATAAAAGATT
CTTTCCAAAAAGTGACACCAAGAAGATGAAAAATGTGAACATGAGAATTTACAGTTAAGTAAAAGTGT
GGATGAGTGCAAAGTGCAAAAAGGAGGTTATAATGGACTTAACCAATGTTTGCCAACTACCCAGAGCAAA
ATATTTCAATGTGATAAATATATGAAAACTTTTCATAAATTTTCAAATTTAAATGGACATAAGGTAAGAC
ACACCAGAAAAAACCTTTTAAATATAAAGAATTTGGCAATCATTTTGCATATTTCAAACCTAACTCA
ACATAAAATAATTTGACTAGAGTAAATTTCTACAAATGTGAAGACTGTGAAAAAGCCTTTAATGGATCC
TCAATCTTTACTAAACATAAAAAGAATTCATATTGGAGAGAAATCGTACATATGTGAAGAATGTGGCAAAG
CCTGTAACCGATTCACAAACCTTACTACACATAAGATAATTTATACTAGAGACAACTCTACAAACGTGA
AGAATGTAGCAAAGCCTTTAACCTGTCGTACACATTACAACACATAACAATAATTCATACTGGAGAGAAT
CCCTACAAACGTGAAGAATGTGACAAAGCCTTTAATCAGTCCTTAACCTTACTACACATAAGATAATTC
ATACCAGAGAGAACTCAATGAATATAAGGAATGTGGCAAAGCCTTTCAACCAGTCCTCACACCTTACCAG
ACATAAGATAATTCATACTGGAGAGAAACCTACAAATGTGAAGAATGTGGCAAAGCCTTTAACCAGTCC
TCACACCTTACCAGACATAAGATAATTCATACTGGAGAGAAAGCCCTACAGATGTGAAGAATGTGGCAAAG
CCTTTAGGCAGTCCTCACACCTTACTACACATAAGATAATTCATACTGGAGAGAAACCTACAAATGTGA
AGAATGTGGCAAAGCCTTTAACAAGTCCTCACACCTTACTAGACATAAGAGCATTACTACTGGAGAAAAA
CCCTACCAGTGTGAAAAATGTGGCAAAGCCTTCAACCAATCCTCAAACCTTACTGAACATAAGAATATTC
ATACTGAAGAGAAACCATACAAATGTGAAGAATGTGGAAAGCCTTTAACCAGTCTCAAACCTTACTAC
ACATAAAAGAATTCATACTGGAGAGAAACCTACAAATGTGAAGAATGTGGCAAAGCCTTTAACCAGTCC
TCAATCTTACTACACATAAGAGAATTCATACTGGAGAGAAATCCTACAAATGTGAAGAATGTGGCAAAG
CTTTCTATCGATCCTCAAACCTTACTGAACATAAGAAAAATTCATACTGGAGAGAAACCTACACATGTGA
AGAATGTGGCAAAGCCTTTAACCATTCTCACATCTTGCTACACATAAGGTAATTCATACTGGAGAGAAA
CCCTACCAATGTGAAGAATGTGGTAAAGCCTTTAACCAGTCTCACACCTTACTAGACATAAGAGAATTC
ATACTGGAGAGAAACCTACCAATGTGAAAAATGTGGCAAAGCCTTTAACCAGTCTCAAACCTTACTGG
ACATAAGAAAAATTCATACTGGTGAAGAACTCTACAAACCTAAAAGATGTAAACAGTGATTTTGAAAACT
TCAAAGTTTTCTAAACATAAAAAGAAATATGCTGGTGAGAAATCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC212088 representing NM_138286
Red=Cloning site Green=Tags(s)

MEPLKFRDVAIEFSL EEWQCLDTIQQLYRNVML ENYRNLVFLGIVVSKPDLITCLEQEKEPWTRKRHRM
 VAEPPIVICS HFAQDF SPEQNIKDSFQKVTPRRYKCEHENLQLSKSVDECKVQKGGYNGLNQCLPTTQSK
 IFQCDKYMKI FHKF SNLNGHKVRHTRKKPFKYKEFGKSF CIFS NL TQHKI ICTRVNFYKCEDCGKAFNGS
 SIFTKHKRIHIG EKSYICEECGKACNQFTNL TTHKIIYTRDKL YKREEC SKAFNLSSHITHTIIHTGEN
 PYKREECDAFNQSL TL TTHKIIHTREKLNEYKCGKAFNQSSHL TRHKI IHTGEKPYKCEECGKAFNQS
 SHL TRHKI IHTGEKPYRCEECGKA FRQSSHL TTHKIIHTGEKPYKCEECGKAFNKSSHL TRHKS IHTGEK
 PYQCEKCGKASNQSSNL TEHKNIHTEEKPYKCEECGKAFNQSNL TTHKRIHTGEKPYKCEECGKAFNQS
 SIL TTHKRIHTGEKSYKCEECGAFYRSSL TEHKI IHTGEKPYTCEECGKAFNHSSHLATHKVIHTGEK
 PYQCEECGKAFNQSSHL TRHKRIHTGEKPYQCEKCGKAFNQSSNL TGHKIHTGEKLYKPKRCNSDFENT
 SKFSKHKRNYAGEKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_138286

ORF Size: 1935 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_138286.3](#)

RefSeq Size: 6513 bp

RefSeq ORF: 1938 bp

Locus ID: 148213

UniProt ID: [Q96N22](#)

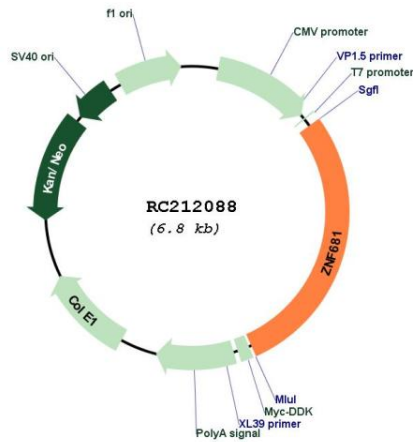
Cytogenetics: 19p12

Domains: zf-C2H2

MW: 75.1 kDa

Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC212088