

Product datasheet for **RC228500**

ZNF96 (ZSCAN12) (NM_001163391) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF96 (ZSCAN12) (NM_001163391) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF96
Synonyms:	dj29K1.2; ZFP96; ZNF29K1; ZNF96; ZNF305
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RC228500 ORF sequence, **codon optimized**.
Due to the complexity of NM_001163391, 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)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGCATCCACATGGGCTATCCAAGCGCACATGGACCAGGATGAGCCCCTGGAGGTGAAGATTGAGGAGG
AAAAGTATACTACGCGCAGGACTGGGATTTGCGAAAGAACAATACCCATTCACGCGAGGTTTTCCAGGCA
ATATTTACAGGCAGTTCTGTTACCAAGAAACCAGCGGCCCGCGCAAGCCCTCAGCCGTTGAGAGAACTC
TGCCACCAGTGGCTGCGCCGGAACGCATACCAAGGAGCAGATCCTTGAACCTCTGGTTCTGGAGCAAT
TCTTGACCATCTGCCTGAAGAGCTGCAGGCATGGGTGCAGGAACAACATCCTGAGAGCGGTGAGGAGGT
CGTGACTGTTTTGGAAGATCTTGAACGAGAAGTGGACGAACCTGGAGAACAGGTTAGCGTTCATACTGGT
GAGCAGGAAATGTTCTCGAGGAAACCGTTAGGCTCAGAAAAGAGGGAGAACCATCTATGAGTCTGCAGA
GCATGAAGGCTCAGCCTAAATATGAAAGTCTGAGCTCGAGTCCCAGCAGGAACAAGTGCTCGATGTTGA
GACAGGTAACGAATACGGTAATCTCAAACAAGAGGTTTCAGAGGAGATGGAGCCCCACGGCAAAACGAGT
TCCAAATTCGAGAATGATATGAGTAAAAGCGCCCGCTGTGGAGAAACACGGGAGCCCGAAGAGATTACCG
AAGAGCCATCAGCTTGCAGTCGGGAGGACAAGCAGCCAACCTGCGACGAAAATGGAGTGAGCTTGACCGA
AAACTCCGATCATACTGAACATCAGCGGATTTGTCCCAGGAGGAGAGCTATGGTTGCGACGACTGTGGG
AAGGCTTTCAGTCAGCACAGCCATCTGATCGAGCACAGCGGATCCATACCGGCGACAGACCTTACAAAT
GTGAAGAGTGTGGAAGCTTCCGAGGACGCACAGTGCTCATAAGGCACAAGATCATACATACAGGGGA
AAAACCTATAAGTGCAACGAATGTGGAAGGCATTTGGGCGCTGGTCAGCTTTGAATCAGCACCAGAGG
CTGCACACTGGAGAGAAGCACTACCATTGCAATGACTGTGGCAAAGCTTCTCCCAAAAAGCGGCCTGT
TCCACCACATAAAGATCCACACTAGAGATAAACCTATCAATGCACCCAGTGCAACAAGTCTTCTCCCG
CCGACGATTCTGACCCAGCATCAGGGCGTTCACACCGGTGCCAAGCCCTACGAATGCAATGAGTGCGGC
AAGGCTTTGTGTATAATAGCTCTCTGGTGTCTCATCAAGAGATTCACCATAAGGAGAAATGCTACCAGT
GCAAGGAGTGCAGCAAGTCTTTCAGTCAGTCCGGCCTGATACAACACCAGAGGATCCACACCGGAGAGAA
ACCTATAAAATGTGACGCTGTGAGAAGGCATTATCCAGAGGACTTCTCTCACCGAACACCAGAGGATC
CATACCGGTGAGAGGCCCTACAAGTGCATAAATGCGGAAAAGCGTTTACTCAGAGGAGCGTCTTGACTG
AACACCAGCGAATTCACACAGGGGAGAGGCCTTACAAATGCGATGAGTGTGGAATGCCTTTTCGCGGAAT
CACCTCACTCATCCAACATCAGCGGATACATACAGGGGAAAAACCTTATCAATGCGATGAATGTGGTAAG
GCATTTTCGGCAGCGCAGCGACCTGAGCAAGCACCAGAGGATCCACAACCGACGCGGAACCTTACGTCTGTA
AGGAGTGCGGAAAGTCATTTTCGGCAGAATAGTGCTCTGACCCAGCACAAACTATCCATAAAGGAGAGAA
GAGCGTCAGCGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC228500 representing NM_001163391
Red=Cloning site Green=Tags(s)

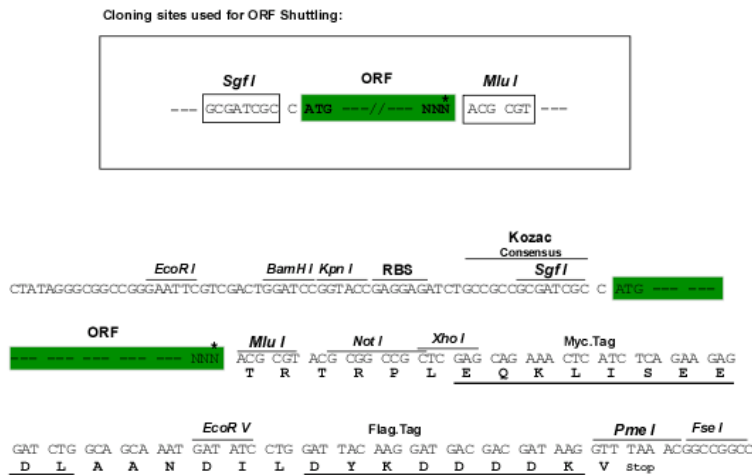
MASTWAIQAHMDQDEPLEVKIEEEKYTTTRQDWDLRKNNTHSREVFROQYFRQFCYQETSGPREALSRLREL
 CHQWLRPETHTKEQILELLVLEQFLTILPEELQAWVQEQHPESGEEVTVLEDLERELDEPGEQVSVHTG
 EQEMFLQETVRLRKEGEPMSLSQSMKAQPKYESPELESQQEQVLDVETGNEYGNLKQEVSEEMEPHGKTS
 SKFENDMSKSARCGETREPEEITEEPSACSRREDKQPTCDENGVSLTENS DHTEHQRI CPGEESYGCDDCG
 KAFSQHSHLIEHQRIHTGDRPYKCEECGKA FRGRTVLIRHKIIHTGEKPKYKNECGKA FRWSALNQHQRI
 LHTGEKH YHCND CGKAFSQKAGLFHHIKIHTRD KPYQCTQC NKSFRRSIL TQH QGVHTGAKPYECNECG
 KAFVYNSSLVSHQEIH HKEKCYCKE CGKSF S QSGLIQH QRIHTGEKPKYKCDVCEKAFIQR TSLTEHQRI
 HTGERPYKCDKCGKAFTQRSVLTEHQRIHTGERPYKCDCEGNAFRGITS LIQH QRIHTGEKPYQCDCECGK
 AFRQRS DL SKHQRIHNRRTYVCKE CGKSF RQNSALTQH QTIHKGEKSVSV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001163391

ORF Size: 1833 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_001163391.1](#), [NP_001156863.1](#)

RefSeq Size: 7711 bp

RefSeq ORF: 1836 bp

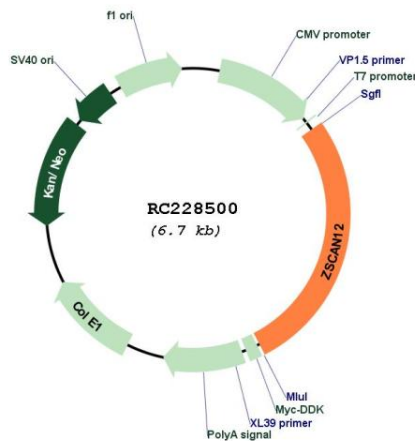
Locus ID: 9753

Cytogenetics: 6p22.1

Protein Families: Transcription Factors

MW: 71 kDa

Product images:



Circular map for RC228500