

## Product datasheet for **RC225851**

### **ZSCAN30 (NM\_001112734) Human Tagged ORF Clone**

#### Product data:

|                           |                           |
|---------------------------|---------------------------|
| Product Type:             | Expression Plasmids       |
| Tag:                      | Myc-DDK                   |
| Symbol:                   | ZSCAN30                   |
| Synonyms:                 | ZNF-WYM; ZNF397OS; ZNF917 |
| Mammalian Cell Selection: | Neomycin                  |
| Vector:                   | pCMV6-Entry (PS100001)    |
| E. coli Selection:        | Kanamycin (25 ug/mL)      |



**ORF Nucleotide Sequence:** >RC225851 ORF sequence, **codon optimized**.  
Due to the complexity of NM\_001112734, 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  
GCC**CGATCGC**

ATGTCCGGCGAGGCAACAGTCTTGCTTACCACGCACCCGAAGAACAAGAGGGGCTCCTCGTTGTTAAGG  
TGGAGGAAGAAAATTACGTGCTCGACCAGGACTTTGGCCTGCAGGAGAATCCGTGGAGCCAGGAAGTGTT  
TCGGCAGAAGTTCGGCAGTTTACTTCCGACGACTGGACCTCGAGAGGCACTTAGTCGGCTCAGG  
GAGCTCTGTTGCCAGTGGTTGAGGCCAGAGTCCACAGTAAAGAGCAGATATTGGAAGTCTTATGTTGG  
AGCAGTTTCTGGCAATCTTGGCCGAGGAGCTTCAGGCTGGCTGAGAGAACACAGACCCGAAACGGGGA  
GGAGGCGGTGACGATGCTCGAGGAGCTTAAAAAGAGCTCGAGGAGCCAGGCAGAAAGACACCACTCAC  
GGACAGGAAATGTTTTGGCAAGAGATGACCTCCACTGGGGCCCTTAAGTCTCTCTATTGAATTCACCAG  
TGCAGCCCCGAGGAATCAGTGCAAAACCGAAACGCAGGAGAGTCAAGCTTTTCAAGAGCGCATGGCAG  
AATGGTTGCAGGGAAGTCTCATGGCAAGCAAGAGATTGTTGAGTGTGGCCAGTGCAGCTATGATA  
AGCCCCGGGAAGCTGCCTGGCGAGACTCATTCTCAGAGAATTGCCGAAGAAGCTCTGGGCGGCCCTTGATA  
ACTCTAAAAACAGAAGGGGAATGCCGAGGAAACAAGATTAGCCAGTTGCCTAGCCAGGACCGGCACTT  
CTCTCTGGCTACATTTAATCGGCGCATACCTACAGAACATAGCGTCTCGAAAGTCATGAAAGCGAAGGA  
TCCTTCAGCATGAACTCAAACGACATTACTCAGCAGAGCGTGGACACTAGGGAGAAGCTGTATGAGTGCT  
TCGATTGTGGAAAGGCATTTTGTCAATCTTCAAACCTATTTCGCCACCAAGAGATCCACACCGGTGAGAG  
GCCTTACGCATGTAAGGAGTGTGGCAAGCTTTTAGCCTTTTCATCAGACCTGGTGCACACCAGAGAATC  
CATTAGGGGAGAAGCCTTACGAATGTTGTGAGTGGGAAAAGCATTCCGAGGCTCCTCAGAGCTGATAA  
GACATCGGCGCATCCATACGGGAGAGAAGCCATATGAATGTGGCGAATGTGGCAAGGCTTTTCTCGGTC  
ATCTGCCCTTATTACAGCATAAGAAGATACACACTGGAGATAAGTCTTATGAATGTATCGCCTGTGGAAAG  
GCTTTTCGGAAGATCTTCCATCCTCATTGAACACCAGCGGATTCATACCGGAGAGAAACCTTACGAGTGCA  
ACGAATGCGGAAAAAGTTCAACCACTCATCTGCTCTGACACAGCACCAGCGAATCCACACAGGCGAAAA  
ACCTTATGAGTGACGAGTGCAGAAAAACTTTTCGACACCGCTCCGGGCTCATGCAGCATCAGCGCACA  
CACACTCGAGTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

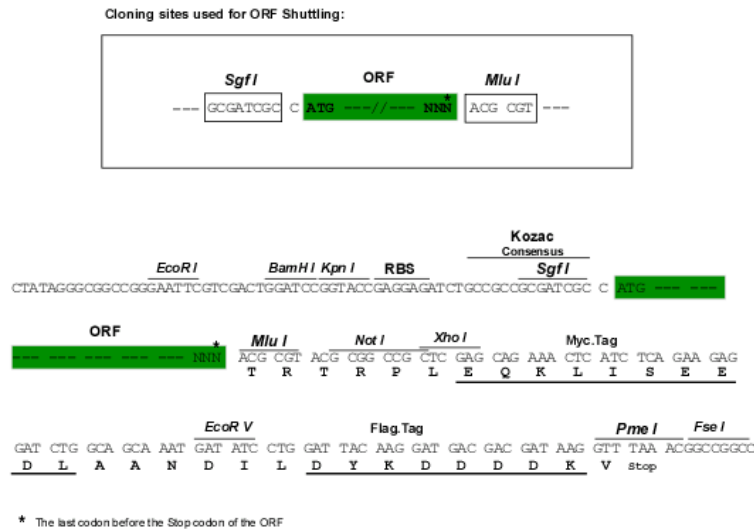
**Protein Sequence:** >RC225851 representing NM\_001112734  
Red=Cloning site Green=Tags(s)

MSGEATVLAYHAPEEQEGLLVKVEEENYVLDQDFGLQENPWSQEVFRQKFRQFSYSDSTGPREALSRLR  
ELCCQWLRPEVHSKEQILELLMLEQFLAILPEELQAWLREHRPENGEAAVTMLEELEKELEEPRQDTH  
GQEMFWQEMTSTGALKSLNSPVQPLENQCKTETQESQAFQERDGRMVAGKVLMAKQEIIVECVASAAMI  
SPGKLPGETHSQRIAEALGGLDNSKKQKGNAGNKSQLPQDRHFSLATFNRRIPTEHSVLESHESEG  
SFSMNSNDITQQSVDTREKLYECFDCGKAFQSSKLIRHQRIHTGERPYACEKCGKAFSLSSDLVRHQRI  
HSGEKPYECCECGKAFRGSSELIRHRIHTGEKPYECGECGKAFSRSSALIQHKKIHTGDKSYECIACGK  
AFGRSSILIEHQRIHTGEKPYECNECGKSFNQSSALTQHRIHTGEKPYECSECRKTFRHRSGMLMQHQR  
HTRV

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

## Cloning Scheme:



ACCN: NM\_001112734

ORF Size: 1482 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:

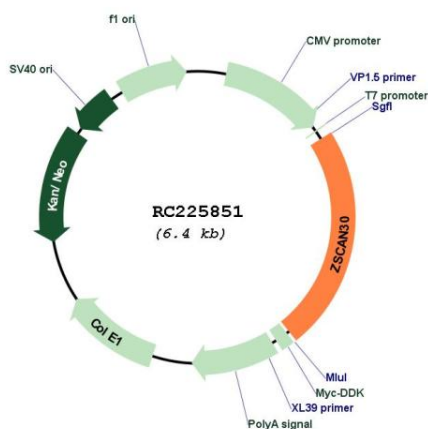
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM\\_001112734.1](#), [NM\\_001112734.2](#), [NM\\_001112734.3](#), [NP\\_001106205.1](#)

|               |                                                                               |
|---------------|-------------------------------------------------------------------------------|
| RefSeq Size:  | 4122 bp                                                                       |
| RefSeq ORF:   | 1485 bp                                                                       |
| Locus ID:     | 100101467                                                                     |
| UniProt ID:   | <a href="#">Q86W11</a>                                                        |
| Cytogenetics: | 18q12.2                                                                       |
| MW:           | 56.4 kDa                                                                      |
| Gene Summary: | May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function] |

### Product images:



Circular map for RC225851