

## Product datasheet for **RC239006**

### ZNF7 (NM\_001282797) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF7 (NM_001282797) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF7
Synonyms:	HF.16; KOX4; zf30
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RC239006 representing NM\_001282797  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGACATCCTAAAATCAGAATCCTATGGGACAGTGGTCAGAATCTCCCACAGGACTTTCCTCAGAATC  
 CTGGCTTTGGAGACGTTTCTGATTCTGAGGTCTGGTTAGACAGTCATCTGGGCAGTCCCGGCTGAAAGT  
 GACAGGCTTTACCTTCCAAAATAACTGTTTGAATGAGGAGACTGTGGTTCCCAAGACCTTACCAAGGAC  
 GCACCCAGGGATGTAAGGAGCTGGGAAGCAGCGGCTGGATTGTGAGCCTCTTGAAGTCAAGGAGAGA  
 GTGCGGAAGGGATGTCCAGAGATGCGAGGAGTGTGGCAAAGGCATCAGAGCCACTTCAATATCGCTCT  
 GCATTGGGAAATTAATACACAGAAAATAGCAGATGTCAAGAATGCCAAAAAAGTTATCTGACTGCTTG  
 CAGGGGAAACATACAATAACTGCCATGGAGAGAAGCCGTACGAATGTGCAGAGTGTGGGAAAGTCTTCA  
 GGCTCTGCTCGCAGCTTAATCAGCATCAGAGAATCCACACGGGAGAGAAAACCTTTAAATGCACTGAGTG  
 TGGAAAAGCCTTCGGCTGAGCTCAAACTTATTCAGCATCAAAGAATCCACACTGGGGAGAAGCCCTAC  
 AGATGTGAGGAATGTGGAAAAGCTTTTGGTCAGAGCTCAAGCCTCATCCACCATCAGAGAATCCACACAG  
 GAGAGAGGCCCTATGGTTGTCGTGAGTGTGGGAAAGCCTTCAGCCAGCAGTCGCAGCTGGTTAGACACCA  
 GAGAACTCACACTGGGGAGAGGCCCTACCTTGAAGGAGTGTGGGAAAGCCTTCAGCCAGAGCTCCACC  
 CTAGCCCAGCATCAAAGGATGCATACTGGGAGAAAAGCTCAAAATCTAAAAGCCTCAGACAGTCCAGCC  
 TTGTTGCACATCAGAGAATTCACGCTGTAGAGAAAACCTTAAAGTGTGATGAGTGTGGGAAAGCTTTT  
 GTGGATCTCTCGCTGAGTCAGCATCAGCTGATTCACACTGGAGAGAAGCCTTATAAATGCAACAAGTGT  
 ACAAAAAGCCTTTGGTTGATGTTACGGCTTATTCGCCATCAGAGAATCACACTGGAGAAAACCTTTA  
 AATGTGATGAGTGTGGCAAAGGCTTTGTTCAAGGCTCACACCTTATTCAGCATCAGCGAATCCACACTGG  
 AGAGAAAACCTATGTGTGTAATGACTGTGGAAAAGCCTTCAGTCAGAGTTCAGCCTTATTTACCATCAG  
 AGAATCCATAAAGGAGAGAAGCCCTACGAATGCCTCCAATGCGGAAAAGCCTTCAGTATGAGCACACAGC  
 TTACAATACATCAAAGGTTTCACTGGAGAGAGGCCCTATAAATGTAATGAATGTGGGAAAGCCTTCAG  
 TCAAAACTCAACCCTTTTCAACACCAGATAATTCATGCAGGGGTGAAGCCCTATGAGTGCAGTGAAGT  
 GGAAAAGCCTTCAGCCGGAGCTCATATCTTATTGAACACCAGAGAATACACTAGGGCCAGTGGTTTT  
 ACGAATATGGGAATGCCCTGGAAGGTTCCACCTTTGTGAGCCGTAAGGTTAATACTATAAAGAACT  
 GCATCAGTGTGAAGACTGTGAGAAGATTTAGGTGGCGTTCACACCTAATTATACACCAGAGAATTCAC  
 ACCGGGAGAAGCCTTATAAATGCAATGACTGTGGCAAAGCTTTAATCGTAGCTCAAGGCTTACCCAGC  
 ATCAAAAATTCATGGGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC239006 representing NM\_001282797  
 Red=Cloning site Green=Tags(s)

MDILKSESYGTVVRI SPQDFPQNPFGDVSDEWLD SHL GSPGLKVTGFTFQNNCLNEETVVPKFTFKD  
 APQGCKELGSSGLDCQPLESQGESAEQMSQRCEECGKIRATSDIALHWEINTQKISRCQECQKLSACL  
 QGKHTNCHGEKPYECAECGKVFRLCSQLNQHQRIHTGEKPFKCTECGKAFRLSSKLIQHQRHTGEKPY  
 RCEECGKAFGQSSSLIHHQRIHTGERPYGCRECGKAFSQQSQLVRHQRTHTGERPYPCKECGKAFSQQS  
 LAQHQRMTGKAQILKASDPSLVAHQRIHAVEKPFKDCGKAFRWISRLSQHQLIHTGEKPYKCNK  
 TKAFGCSRLIRHQRTHTGEKPFKDCGKGFVQGSHLIQHQRIHTGEKPYVNCDCGKAFSQQSSLIYHQ  
 RIHKGEKPYECLQCGKAFSMSTQLTIHQRVHTGERPYKCNKCGKAFSQQNSTLQHQIHHAGVQKPYECSE  
 GKAFSRSSYLIEHQRIHTRAQWFYEYGNALGTFVSRKKVNTIKKLHQCEDCEKIFRWRSHLIIHQRIH  
 TGEKPYKCNDCGKAFNRSSRLTQHQIHM

**TRTRPLEQKLI SEEDLAANDILDYKDDDDKV**

**Restriction Sites:**

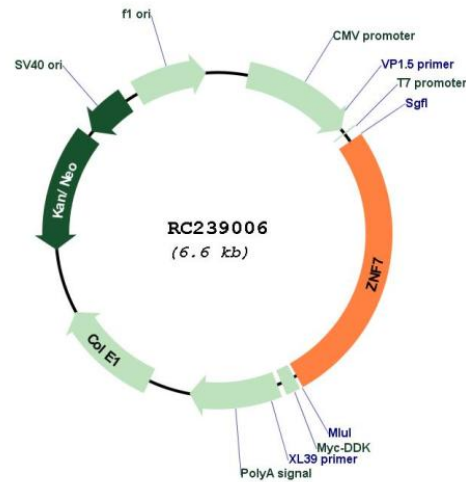
SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

**Plasmid Map:**


ACCN: NM\_001282797  
 ORF Size: 1770 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001282797.1</a> , <a href="#">NP_001269726.1</a>
<b>RefSeq Size:</b>	2125 bp
<b>RefSeq ORF:</b>	1773 bp
<b>Locus ID:</b>	7553
<b>UniProt ID:</b>	<a href="#">P17097</a>
<b>Cytogenetics:</b>	8q24.3
<b>Protein Families:</b>	Transcription Factors
<b>MW:</b>	67.6 kDa
<b>Gene Summary:</b>	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]