

## Product datasheet for **RC239187**

### Znf206 (ZSCAN10) (NM\_001282416) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Znf206 (ZSCAN10) (NM_001282416) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZSCAN10
Synonyms:	ZFP206; ZNF206
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide  
Sequence:

>RC239187 representing NM\_001282416  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCTTCCAGTATCAGGAGGACATGGGGCCACGGGCGTCCCTGAGCCGGTCCGGGAGCTCTGCGGCCAC  
TGGCTGCGGCCGGCTCTGCACACCAAGAAACAGATCCTGGAGCTGCTGGTGTGGAGCAGTTCCTGAGTG  
TGCTGCCTCCGCACCTCCTGGGGCCCTGCAGGGGCAGCCGCTCAGGGATGGGGAGGAGTGGTGTCTGT  
GCTCGAGGGCATCCACGGGAGCCAGCCACGCGGGGCCGCTGGTCCCCAGGGCCCTCACCATGGCCAG  
AGGAGAGTTCCTGAGATCAGGAGCTGGCGGCTGTGCTGGAGTGCCTGACCTTTGAGGATGTGCCAGAGAA  
TAAGGCGTGGCCTGCACACCCCTGGGATTCGGAAGCAGAACCCAGACAAGGAGGAATTTAAACAAGAA  
GAGCCAAAGGGGCTGCCTGGCCACTCCCATCTTAGCAGAGTCCAGGCAGATAGTCTGGGGTGGCGG  
GAGAGCCTTGCGCCAGTCGCTCGGACGGGGCGCTGCGGCTAGCGGCCCTGGTGAAGATGGTCCCTTCT  
TGGCAGCAGTGAATTTGGAGTCAAAGTGGCTGAGGGCGTCCCGAGCCCAATCCGGAGTTGCAGTTC  
ATCTGCGCGGACTGCGGGGTGAGCTTCCCGCAGCTGTCTCGCCTGAAGGCGCACAGCTGCGCTCGCACC  
CGGCTGGGCGCTCCTTCCTGTGCCTTTGTGCGGGAAGAGCTTCGGCCGAGCTCCATTCTCAAGTGCA  
CATGCGCACTCACACGGACGAGCGGCCGACGCTGCCACCTGTGCGGCCACCGCTTCGCCAGAGCTCG  
CACCTGAGCAAGCACCTGCTGACCCACTCCTCCGAACCCGCTTCTGTGCGCAGAGTGGCGCCGCGGCT  
TCCAGCGCCGCGCAGCCTTGTGACGACCTGTGGCGCACGCCAGGACCAGAAGCCGCTGCGCTCC  
TGAGAGTAAGGCCGAAGCGCCCACTGACCGATGTCTGTGCTCCACTGCGGCCAGAGCTTCCAGCGC  
CGCTCCAGCCTCAAGCGCCACTGCGGATCCACGCCAGGACAAGGACCAGCCGCTTCTCCGAAGGCTCCG  
GCAGCCGCGCCGGGACTCCGACCGGAGGCCCTTCGTGTGACGCGACTGCGGCAAGGCCTTCGGCGCAG  
CGAGCACCTGGTGGCCACCGGAGGGTGCACAGGGCGAGCGGCCCTTCTCCTGCCAGGCTTGCAGCCGC  
AGCTTCACGCAGAGCTCGCAGCTGGTACGCCACCAACGGGTGCACACGGGCGAGAAGCCCTACGCCTGTC  
CGCAGTGGGGAAGCGCTTTGTGCGCCGGGCCAGCCTTGCCTGCCACCTGCTGACCCACGGTGGCCCTCG  
GCCCCACCACTGCACCCAGTGGGGAAGAGTTTCGGCCAGACCCAGGATCTGGCCCGCCACCAGCGCAGC  
CACACGGGCGAGAAGCCCTGCCGCTGCAGCGAGTGGGTGAGGGCTTCAGCCAGAGCGCCACCTGGCGC  
GCCACCAGCGCATCCACACAGGGGAGAAGCCACGCCTGCGACACCTGCGGCCACCGTTTCGCAATAG  
CTCCAACCTGGCCCGCCATCGCCGACCCACACGGGCGAGCGGCCCTACAGCTGTCAGACGTGCGGTGCG  
AGCTTCCGGCGCAACCGCATCTGCGGGCGCACCTGGCTACCCATGCGGAGCCCGGGCAGGAGCAGGCCG  
AGCCCCCGCAGGAGTGGTGGAGTGGGGAAGAGCTTCAGCCGACAGTGCATCTGCTGGACACCTGCT  
GGTGCACACGGGCGCCAGGCCCTACTCCTGCACGAGTGTGGCCGAGCTTCAGCCGCAACTCCCACCTG  
CTGCGCCACCTGCGCACCCACGCCCGGAGACGCTGTAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC239187 representing NM\_001282416  
 Red=Cloning site Green=Tags(s)

MLPVSGGHGATGVPEPAPGALRPLAAAGSAHQETDPAAGAGAVPECAASAPPGPPAGAAAQGWGGGGAA  
 ARGHPPGAQPRGAAGPQGPSPWPEESSRDQELAAVLECLTFEDVPENKAWPAHPLGFGSRTPDKEEFKQE  
 EPKGAAWPTPILAESQADSPGVGPECAQSLGRGAAASGPGEDGSLLSSEILEVKVAEGVPEPNPELQF  
 ICADCGVSFPQLSRLKAHQLRSHPAGRSFLCLCCGKSFGRSSILKLHMRHTHTDERPHACHLCGHRFRQSS  
 HLSKHLLTHSSEPAFLCAECGRGFQRRASLVQHLLAHAQDQKPPCAPESKAEAPPLTDVLCSHCGQSFQR  
 RSSLKRHLRIHARDKDRSSESGSRRRSDRRPFVCSDCGKAFRRSEHLVAHRRVHTGERPFSCQACGR  
 SFTQSSQLVSHQRVHTGEKPYACPQCGKRFVRRASLARHLLTHGGPRPHCTQCGKSFQQTQDLARHQRS  
 HTGEKPCRCSECGEGFSQSAHLARHQRIHTGEKPHACDTCGHRFRNSSNLARHRSHTGERPYSCQTCGR  
 SFRRNAHLRRHLATHAEPGQEAEPQECVECGKFSRSCNLLRHLLVHTGARPYSCTQCGRSFSRNSHL  
 LRHLRTHARETLY

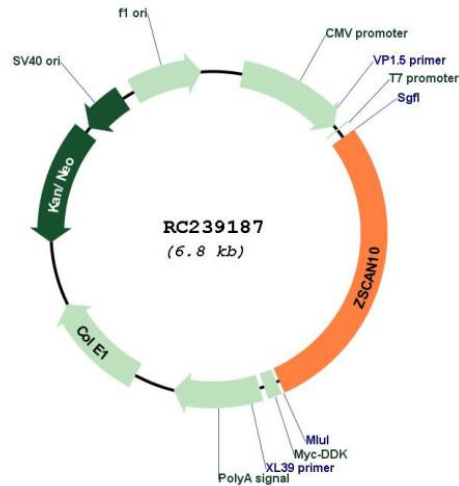
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**


**ACCN:** NM\_001282416

**ORF Size:** 1929 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\\_001282416.2](#)

RefSeq Size:	2476 bp
RefSeq ORF:	1932 bp
Locus ID:	84891
UniProt ID:	<a href="#">Q96SZ4</a>
Cytogenetics:	16p13.3
Protein Families:	ES Cell Differentiation/IPS, Transcription Factors
MW:	70.1 kDa
Gene Summary:	Embryonic stem (ES) cell-specific transcription factor required to maintain ES cell pluripotency. Can both activate and /or repress expression of target genes, depending on the context. Specifically binds the 5'-[GA]CGCNGCG[CT]-3' DNA consensus sequence. Regulates expression of POU5F1/OCT4, ZSCAN4 and ALYREF/THOC4.[UniProtKB/Swiss-Prot Function]