

Product datasheet for **RC237892**

Znf206 (ZSCAN10) (NM_001282415) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Znf206 (ZSCAN10) (NM_001282415) 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
ORF Nucleotide Sequence:	>RC237892 representing NM_001282415 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCGCACTCACCGGACGAGCGGCCGACGCCTGCCACCTGTGCGGCCACCGCTTCGCCAGAGCTCGC
ACCTGAGCAAGCACCTGCTGACCACTCCTCCGAACCCGCCTTCTGTGCGCAGAGTGCGGCCGCGGCTT
CCAGCGCCGCGCCAGCCTTGTGACGACCTGCTGGCGCACGCCAGGACCAGAAGCCGCCCTGCGCTCCT
GAGAGTAAGGCCGAAGCGCCGCACTGACCGATGTCTGTGCTCCCACTGCGGCCAGAGCTTCCAGCGCC
GCTCCAGCCTCAAGCGCCACCTGCGGATCCACGCCAGGGACAAGGACCGCCGGTCTCCGAAGGCTCCGG
CAGCCGCGCCGGGACTCCGACCGGAGGCCCTTCGTGTGACGCACTGCGGCAAGGCCTTCGGCGCAGC
GAGCACCTGGTGGCCACCGGAGGGTGCACACGGGCGAGCGGCCCTTCTCCTGCCAGGCTTGGCGCCGA
GCTTACGCAGAGCTCGCAGCTGGTACGCCAACCGGTGCACACGGGCGAGAAGCCCTACGCCTGTCC
GCAGTGGCGGAAGCGCTTGTGCGCCGGCCAGCCTTGCCCGCCACCTGCTGACCCACGGTGGCCCTCGG
CCCCACCACTGCACCCAGTGCAGGAAAGATTTCCGCCAGACCCAGGATCTGGCCCGCCACCAAGCGCAGCC
ACACGGGCGAGAAGCCCTGCCGCTGCAGCGAGTGCGGTGAGGGCTTCAGCCAGAGCGCCACCTGGCGCG
CCACCAGCGCATCCACACAGGGGAGAAGCCCAAGCCTGCGACACCTGCGGCCACCGTTTTCCGCAATAGC
TCCAACCTGGCCCGCATCGCCGACCCACACGGGCGAGCGGCCCTACAGCTGTGACAGCTGCGGTGCGA
GCTTCCGGCGCAACGCGCATCTGCGGCGCACCTGGTACCCATGCGGAGCCCGGCAGGAGCAGGCCGA
GCCCGCGAGGAGTGCCTGGAGTGCAGGAAAGAGCTTACGCCGAGCTGCAATCTGCTGCGACACCTGCTG
GTGCACACGGGCGCCAGGCCCTACTCCTGCACGAGTGTGGCCGAGCTTACGCCCACTCCACCTGC
TGCGCCACCTGCGCACCCAGCCCGGAGACGCTGTAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237892 representing NM_001282415
Red=Cloning site Green=Tags(s)

MRTHTDERPHACHLCGHRFRQSSHL SKHLLTHSSEPAFLCAECGRGFQRRASLVQHLLAHAQDQKPPCAP
 ESKAEAPPLTDVLCSHCGSQFQRRSSLKRHLRIHARDKDRSSEGGSRRRRSDRRPFVCSDCGKAFRRS
 EHLVAHRRVHTGERPFSCQACGRSFTQSSQLVSHQRVHTGEKPYACPQCGRKFVRRASLARHLLTHGGPR
 PHHCTQCCKSFGQTQDLARHQRSHTGEKPCRCSECGEGFSQSAHLARHQRIHTGEKPHACDTCGHRFRNS
 SNLARHRRSHTGERPYSCQTCGRSFRRNAHLRRHLATHAEPGQEAEPQECVECGKSF SRSCNLLRHLL
 VHTGARYSCTQCGRSF SRNSHLLRHLRTHARETLY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

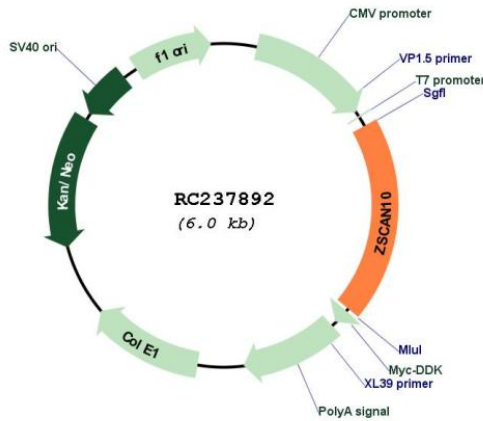
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001282415

ORF Size:	1158 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:	<ol style="list-style-type: none">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_001282415.2
RefSeq Size:	2281 bp
RefSeq ORF:	1161 bp
Locus ID:	84891
UniProt ID:	Q96SZ4
Cytogenetics:	16p13.3
Protein Families:	ES Cell Differentiation/IPS, Transcription Factors
MW:	44.4 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]CGCNGGCG[CT]-3' DNA consensus sequence. Regulates expression of POU5F1/OCT4, ZSCAN4 and ALYREF/THOC4.[UniProtKB/Swiss-Prot Function]