

Product datasheet for **RG224429**

ZSCAN2 (NM_017894) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ZSCAN2 (NM_017894) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: ZSCAN2
Synonyms: ZFP29; ZNF854
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG224429 representing NM_017894
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGGCTGCAGACATCCCGAGAGTGACCACTCCGCTGAGCTCCTTGGTCCAGGTGCCTCAAGAGGAAG
ATAGACAGGAGGAGGAGGTACCACCATGATCCTGGAGGATGACTCCTGGGTGCAAGAAGCTGTGCTGCA
GGAGGATGGCCCTGAGTCTGAGCCCTTTCCCGAGAGTCTGGCAAGGGCGGCCCCAGGAGGAGGTGACC
AGGGGACCACAGGGTGCCTCGGCCGCTCCGAGAGCTCTGCCGGCGCTGGCTGAGACCAGAGGTACACA
CCAAGGAGCAGATGTTAACCATGCTGCCAAAGGAAATTCAGGCTTGGCTGCAAGAGCATCGGCCTGAAAG
CAGTGAGGAGGCAGCGCCCTGGTGGAAGACTTGACCCAGACCCTCAGGACAGTCTGTAGCTGTCGTT
GCTTCCCTCCGGTGGAGGTGACCAGTTTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG224429 representing NM_017894
Red=Cloning site Green=Tags(s)

MMAADIPRVTTPLSSLVQVPQEEDRQEEVTTMILEDSSWVQEAVLQEDGPESEFPQPSAGKGGPQEEVT
RGPQGALGRLRELRRWLRPEVHTKEQMLTMLPKEIQAWLQEHRESSEAAAALVEDLTQTLQDSAVAVV
ASLPVEVTSL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

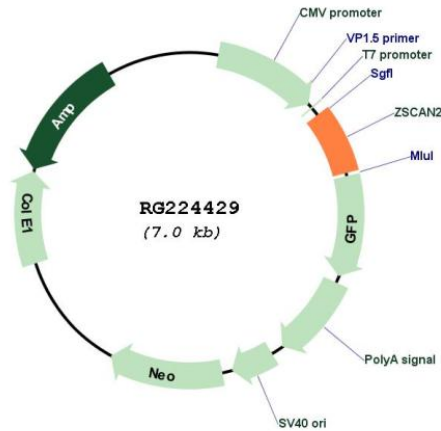


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Cloning Scheme:



Plasmid Map:



ACCN: NM_017894

ORF Size: 450 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_017894.6
RefSeq Size:	1010 bp
RefSeq ORF:	453 bp
Locus ID:	54993
UniProt ID:	Q7Z7L9
Cytogenetics:	15q25.2
Domains:	LER
Protein Families:	Transcription Factors
Gene Summary:	The protein encoded by this gene contains several copies of zinc finger motif, which is commonly found in transcriptional regulatory proteins. Studies in mice show that this gene is expressed during embryonic development, and specifically in the testis in adult mice, suggesting that it may play a role in regulating genes in germ cells. Alternative splicing of this gene results in several transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]