

Product datasheet for **RG233958**

ZKSCAN3 (NM_001242895) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | ZKSCAN3 (NM_001242895) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | ZKSCAN3 |
| Synonyms: | dj874C20.1; dj874C20.1.; ZF47; zfp-47; Zfp47; ZFP306; ZNF306; ZNF309; ZSCAN13; ZSCAN35 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >RG233958 representing NM_001242895 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCACTATTGACACCAGCCCCAGGGTCACAAAGTAGCCAATTTAGCTAATGAAGGCTCTGCTCAAGC
ATGAATCTGTGGGATCCCAGCCTTTACAAGATAGATTCTCCAGGTCCCCGTGCTTGCCCATGGAGGATG
CTGCAGAGAAGATAAAGTGGTAGCTTCTAGGCTTACTCCAGAGTCCCAGGGTGTGAAAGTGGAAAGT
GTGGCCCTGACCCTCACCCCTGAATGGACACAGCAGGATTCATCTCAGGGGAATCTCTGTAGAGATGAAA
AGCAGGAGAACCATGGCAGCCTGGTCTCCCTGGGTGATGAAAAACAGACTAAGAGCAGGGACTTGCCCTCC
AGCTGAGGAGCTTCCAGAAAAGGAGCATGGGAAGATATCGTGCCACCTGAGAGAAGACATTGCCAGATT
CCTACATGTGCAGAAAGCTGGTGAACAGGAGGGCAGGCTACAAAGAAAGCAGAAAAATGCCACAGGAGGGA
GGCGGCACATCTGCCATGAATGTGGAAGAGTTTTGCTCAAAGCTCAGGCCTGAGTAAACACAGGAGAAT
CCACACTGGTGAGAAACCTACGAATGTGAAGAGTGTGGCAAAGCCTTATTGGGAGCTCTGCCCTTGTC
ATTCATCAGAGAGTCCACTGGTGAGAAGCCATATGAGTGTGAAGAATGTGGTAAGGCCTTCAGTCATA
GCTCAGACCTTATCAAGCATCAGAGAACCACACTGGGGAGAAGCCCTATGAGTGTGATGACTGTGGGAA
GACCTTCAGCCAGAGCTGCAGCCTCCTTGAACATCACAGAATCCACTGGGGAGAAGCCGATCAGTGC
AGTATGTGTGGCAAAGCCTTTAGCGGAAGTTACATCTCCTGAGACATCAGAGGATCCACTACTGGGGATA
AAAATGTTGAGGAACCTGAGCAGGGAGAGGCTGGAAAAGTAGGATGAAAAGCCAGTTGGAAAATGTTGA
AACTCCCATGTCTTATAATGTAATGAGTGTGAAAGAAGTTTCACTCAGAATACAGGCCTCATTGAACAT
CAAAAAATCCACTGGTGAGAAACCTATCAGTGAATGCGTGTGAAAAGGCTTACCCGAATTTTCAT
ACCTTGTTCACATCAGAGAAGCCATGTAGGAAAAACATCCTATCACAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG233958 representing NM_001242895
 Red=Cloning site Green=Tags(s)

MALLTPAPGSQSSQFLMKALLKHESVGSQPLQDRVLQVPVLAHGGCCREDKVVASRLTPESQGLLKVED
 VALTLTPEWTQQDSSQGNLCRDEKQENHGSLVSLGDEKQTKSRDLPPAEELPEKEHGKISCHLREDIAQI
 PTCAEAGEQEGRLQRKQKNATGRRRHICHECGKSFAQSSGLSKHRRRIHTGEKPYECEECGKAFIGSSALV
 IHQRVHTGEKPYECEECGKAFSHSSDLIKHQRTHHTGEKPYECDDCGKTFSSQSCSLLHHRIHTGEKPYQC
 SMCCKAFRRSSHLLRHQR.IHTGDKNVQPEPEQGEAWKSRMESQLENVETPMSYKNECERSFTQNTGLIEH
 QKIHTGEKPYQCACGKGFTRISYLVQHQRSHVGNILSQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001242895

ORF Size: 1170 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_001242895.2](#)

RefSeq Size: 4261 bp

RefSeq ORF: 1173 bp

Locus ID: 80317

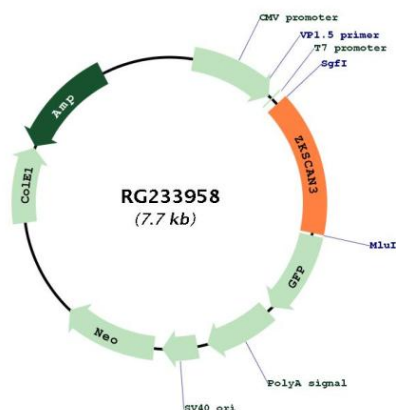
UniProt ID: [Q9BRR0](#)

Cytogenetics: 6p22.1

Protein Families: Transcription Factors

Gene Summary: Transcriptional factor that binds to the consensus sequence 5'-[GT][AG][AGT]GGGG-3' and acts as a repressor of autophagy. Specifically represses expression of genes involved in autophagy and lysosome biogenesis/function such as MAP1LC3B, ULK1 or WIPI2. Associates with chromatin at the ITGB4 and VEGF promoters. Also acts as a transcription activator and promotes cancer cell progression and/or migration in various tumors and myelomas. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG233958